

Figure 1

Reactor Core (101)

Middle Reactor Shield (109)

Conducting Spheres form "Magnetic Circuit" instead of an Electrical Circuit. Electrons counter-rotate around each conducting sphere

Coolant Bath (108)

Hemispheric Coils (106)

Electrical Bus (107)

Outer Shield Wall (117)

Conducting Spheres (102)

Electrical Flow

Magnetic Flow

Anode/Cathode Conducting Spheres (113)

Inner Shield Clamp (110)

Core Pedestal (111)

Conductor Pedestals (112)

Coolant Tubes (114)

Coolant Inlet Tube (115)

Coolant Outlet Tube (116)

Conducting Sphere Track (104)

From Containment Circuit

To Containment Circuit

Side View of Core Area



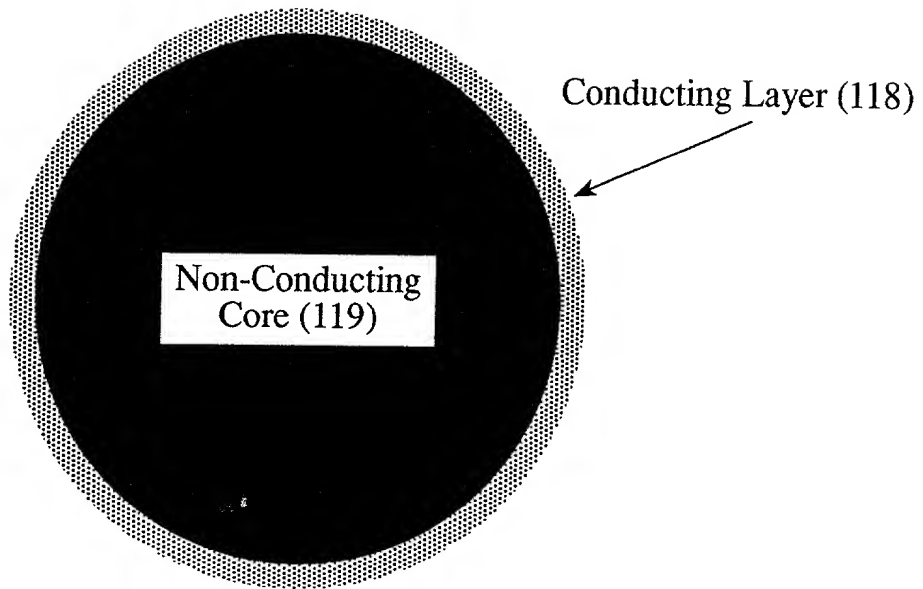


Figure 2

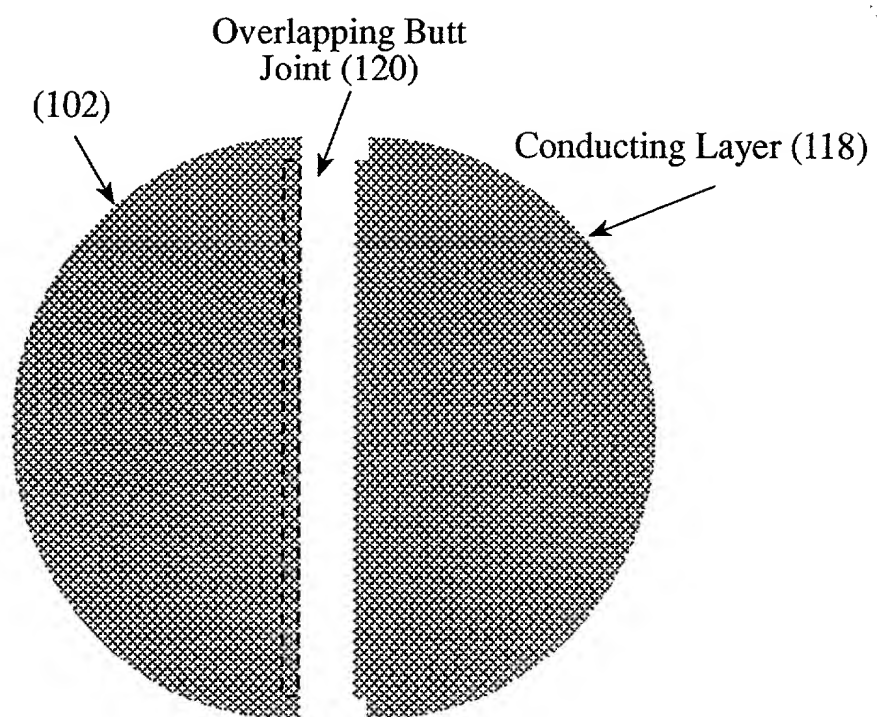


Figure 3

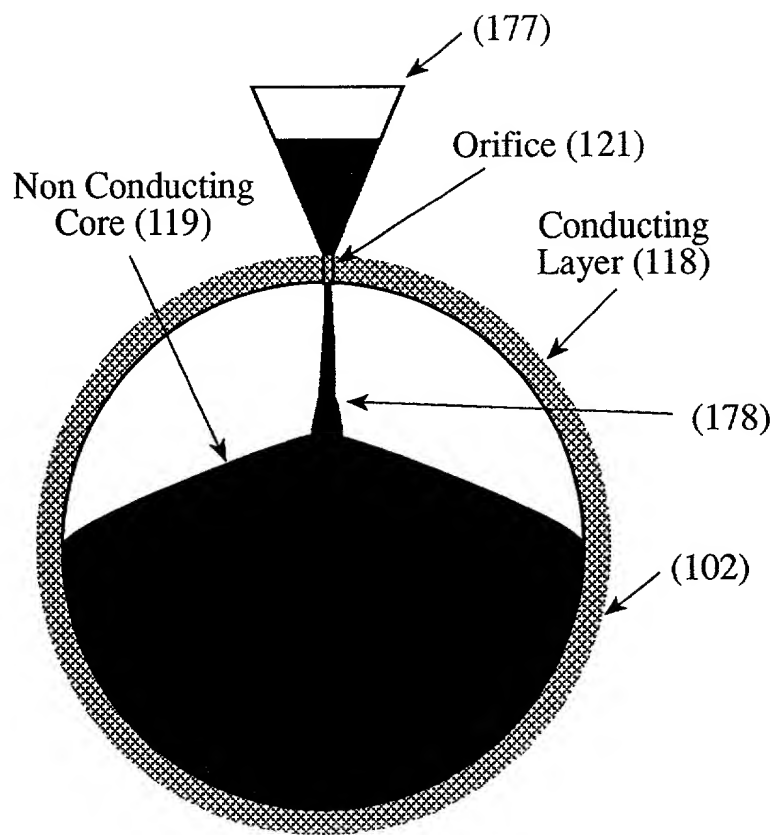


Figure 4

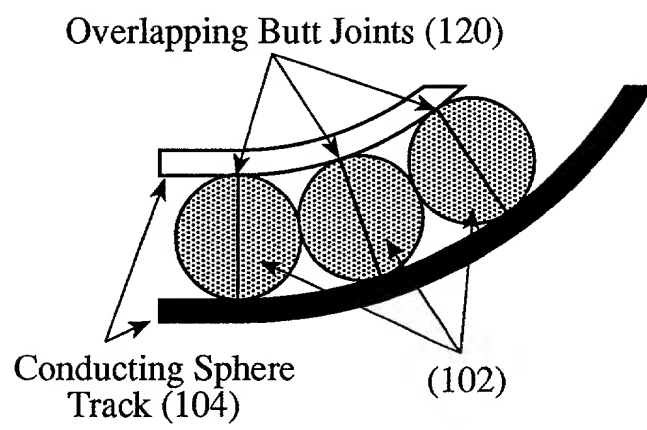


Figure 5

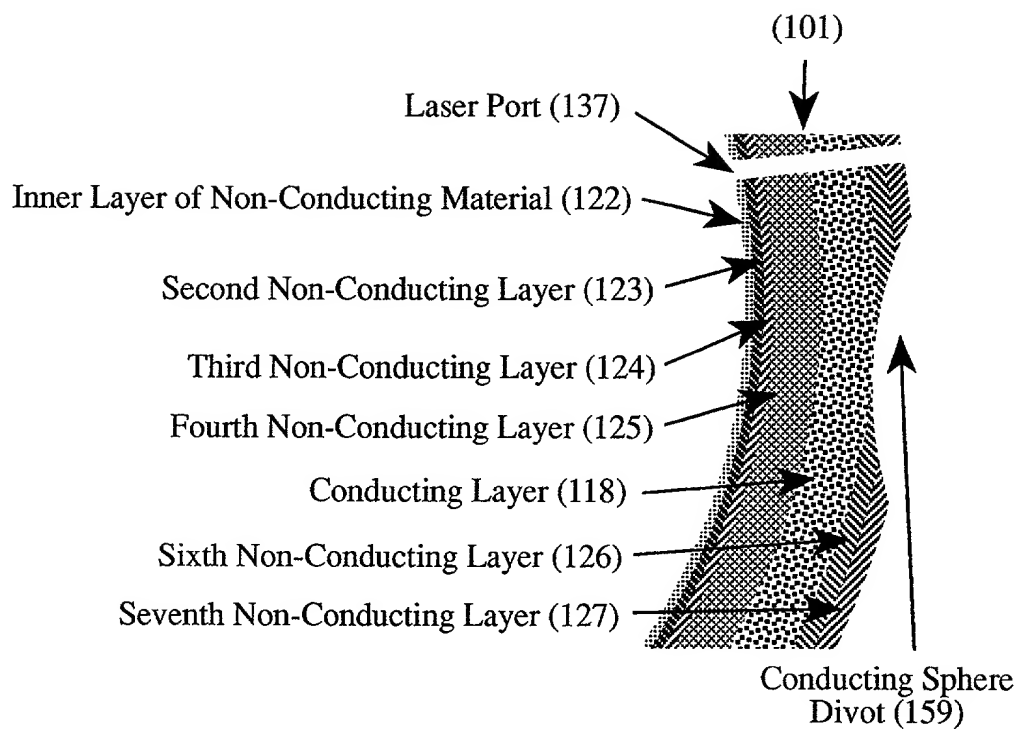


Figure 6

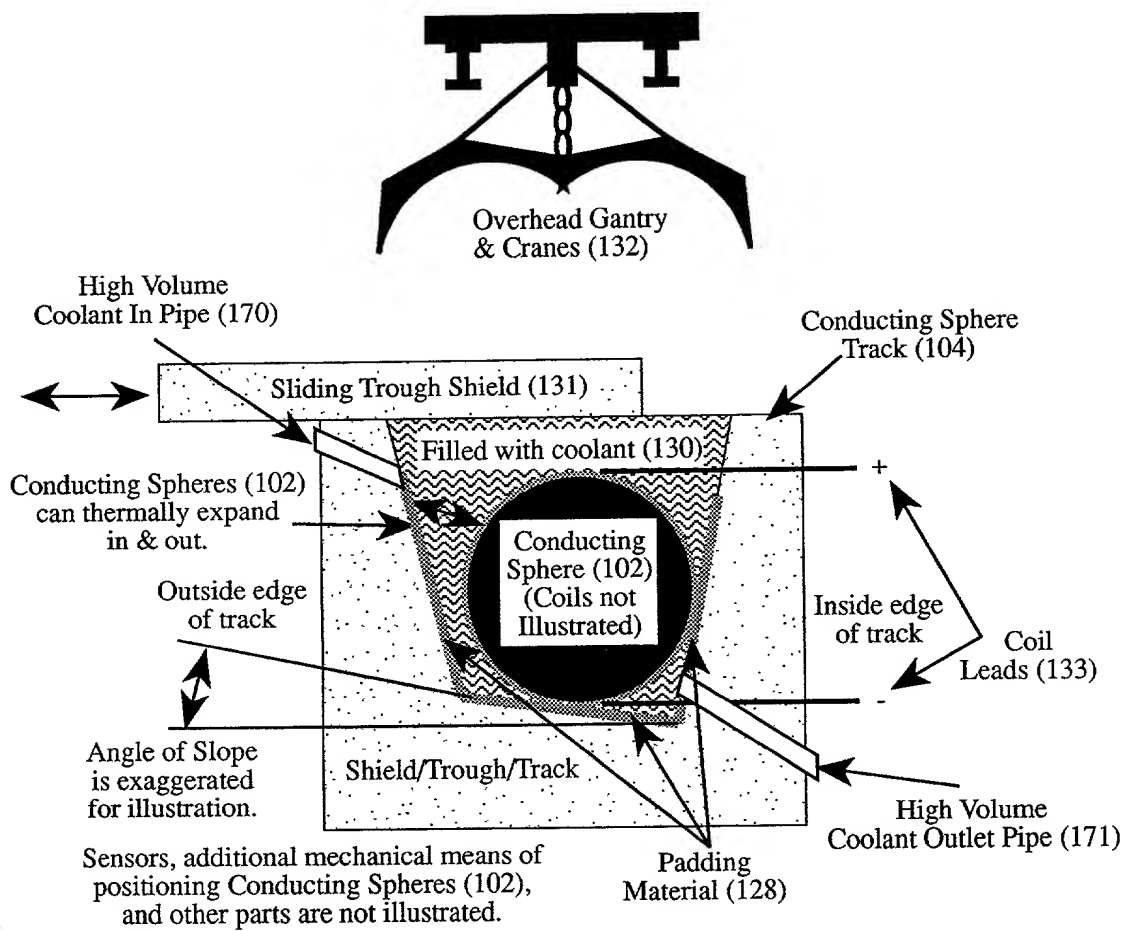


Figure 7

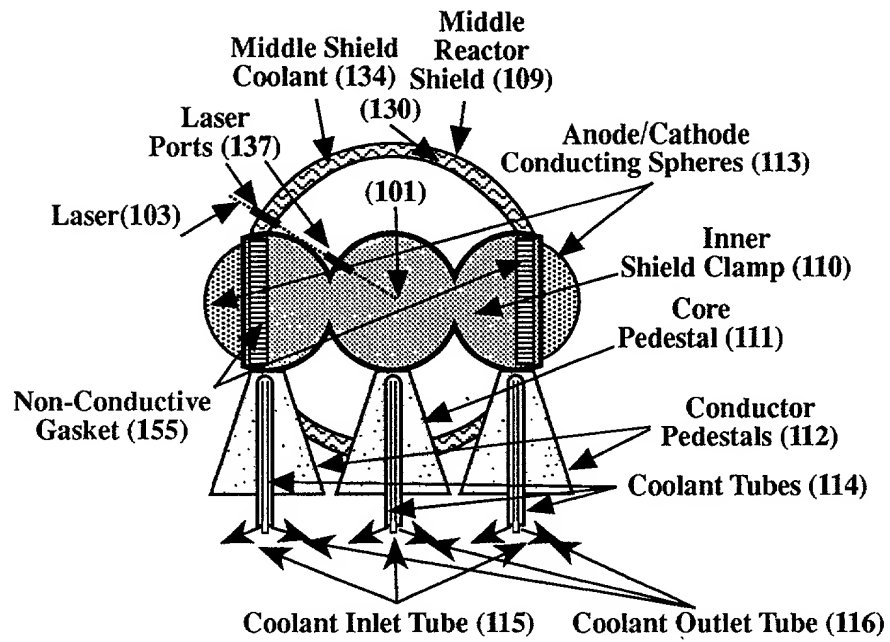


Figure 8

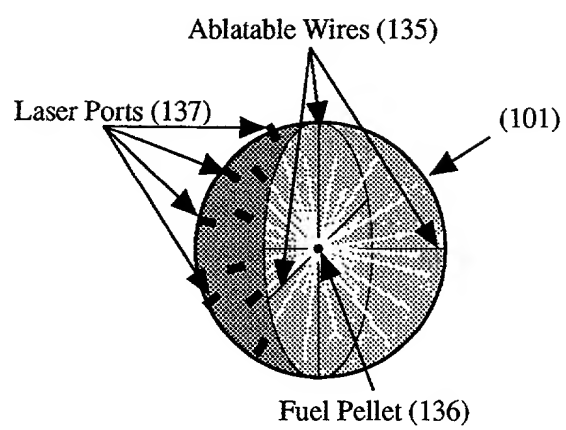


Figure 9

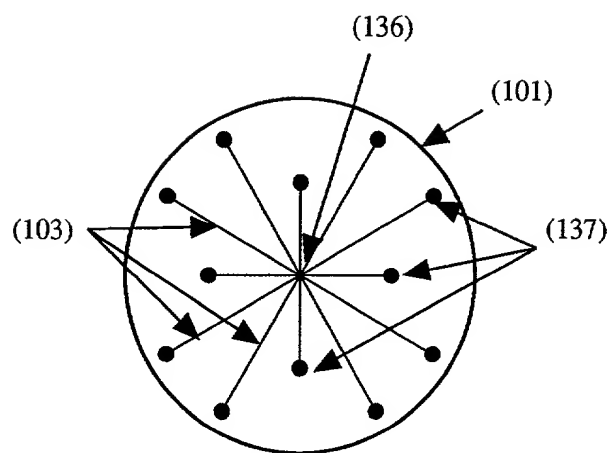


Figure 10

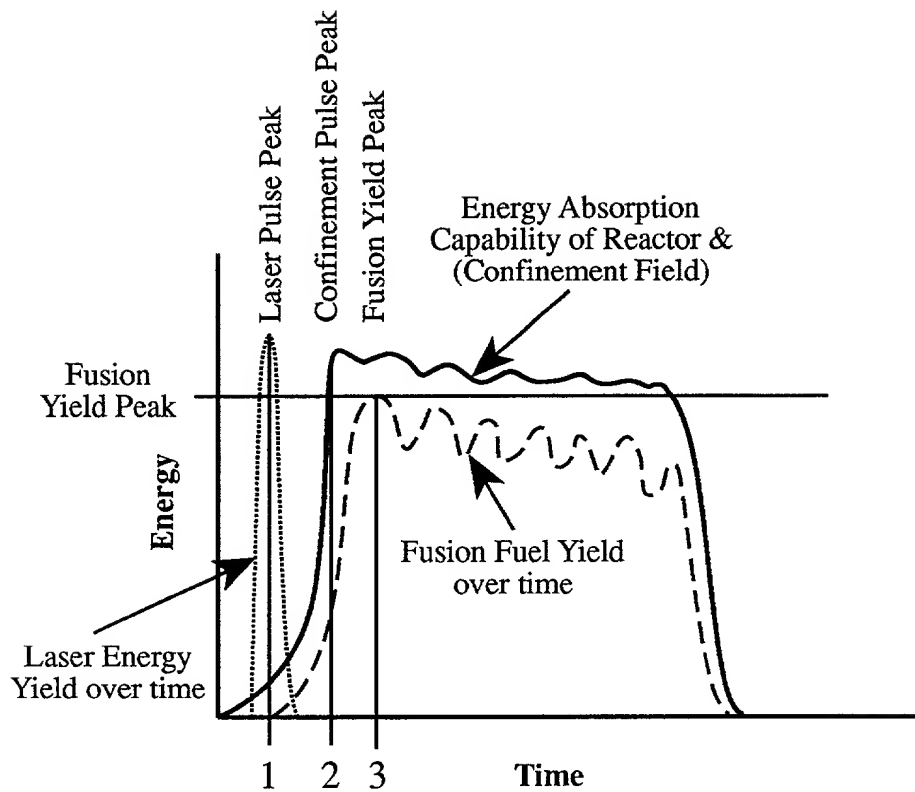


Figure 11

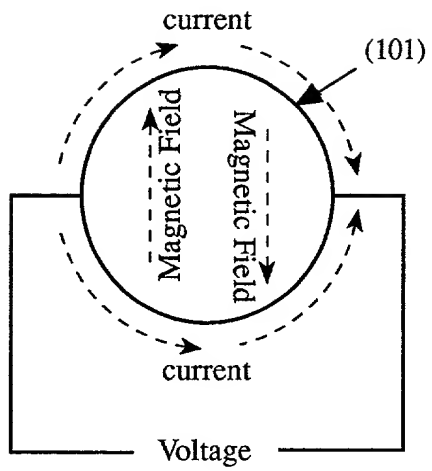


Figure 12

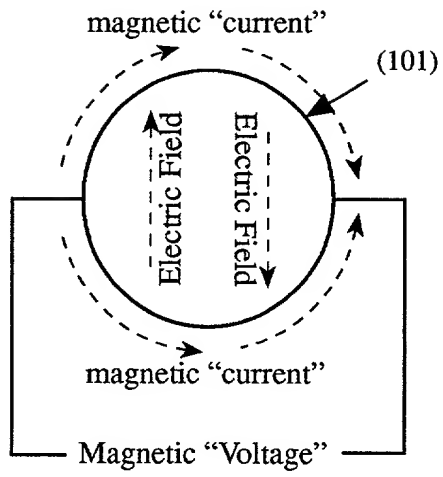


Figure 13

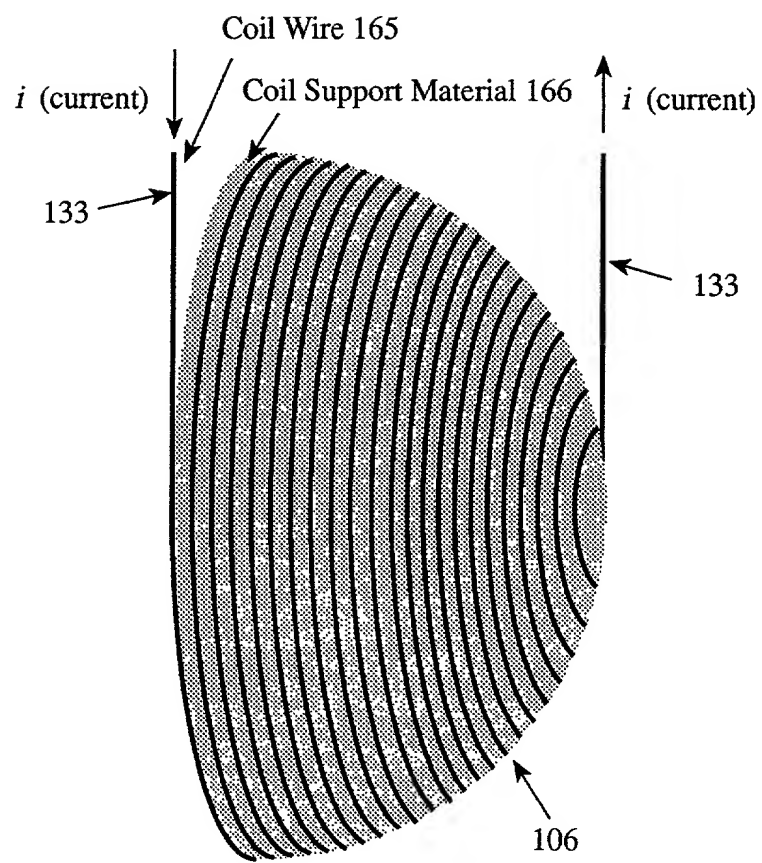


Figure 14

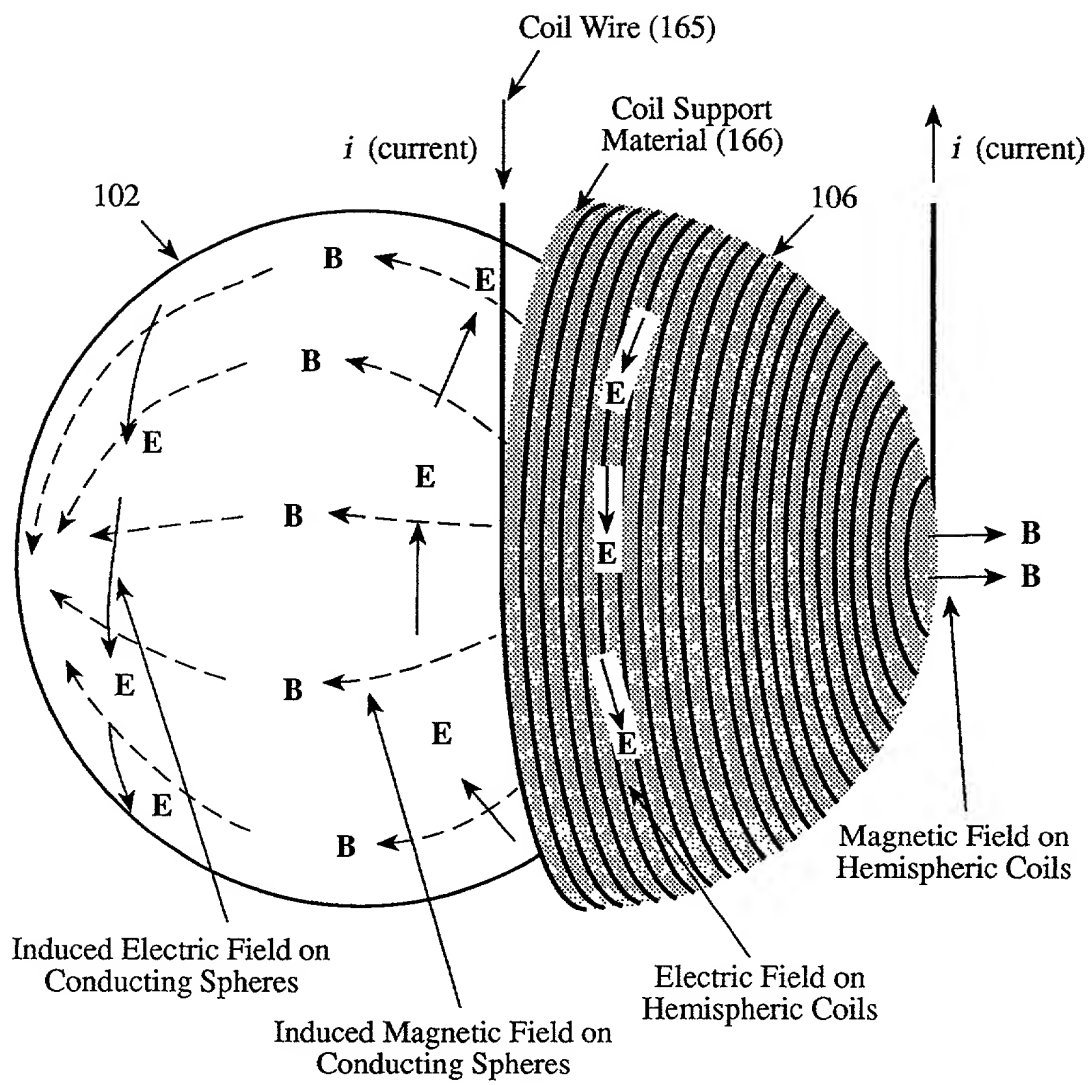


Figure 15

Exploded View of
Parallel Hemispheric Coils

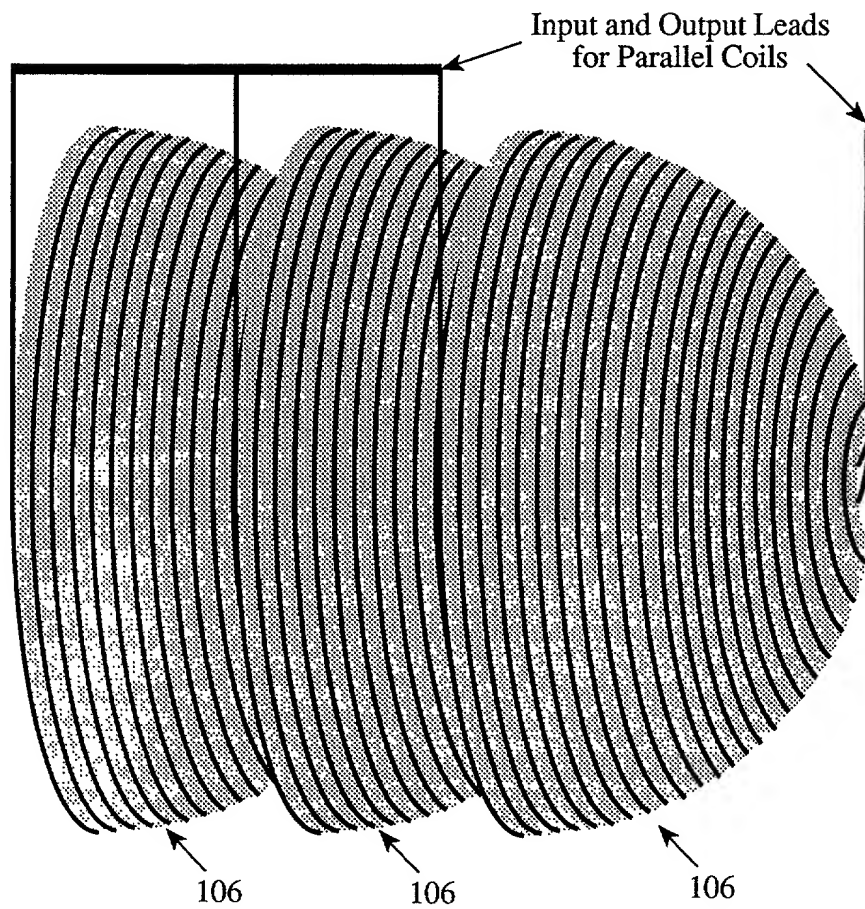


Figure 16

Exploded View of
Parallel Hemispheric Coils
Connected in Series

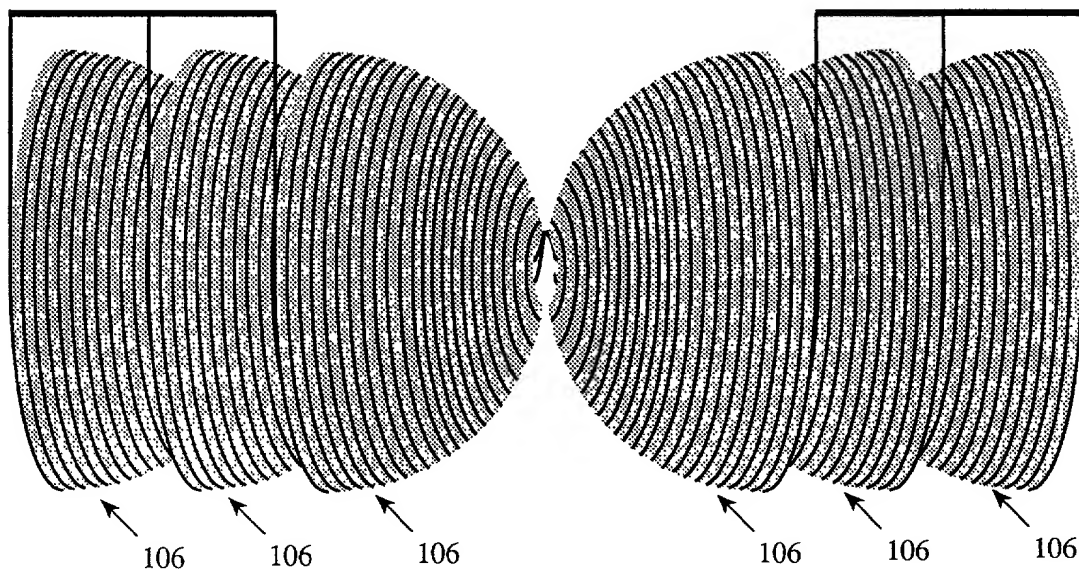


Figure 17

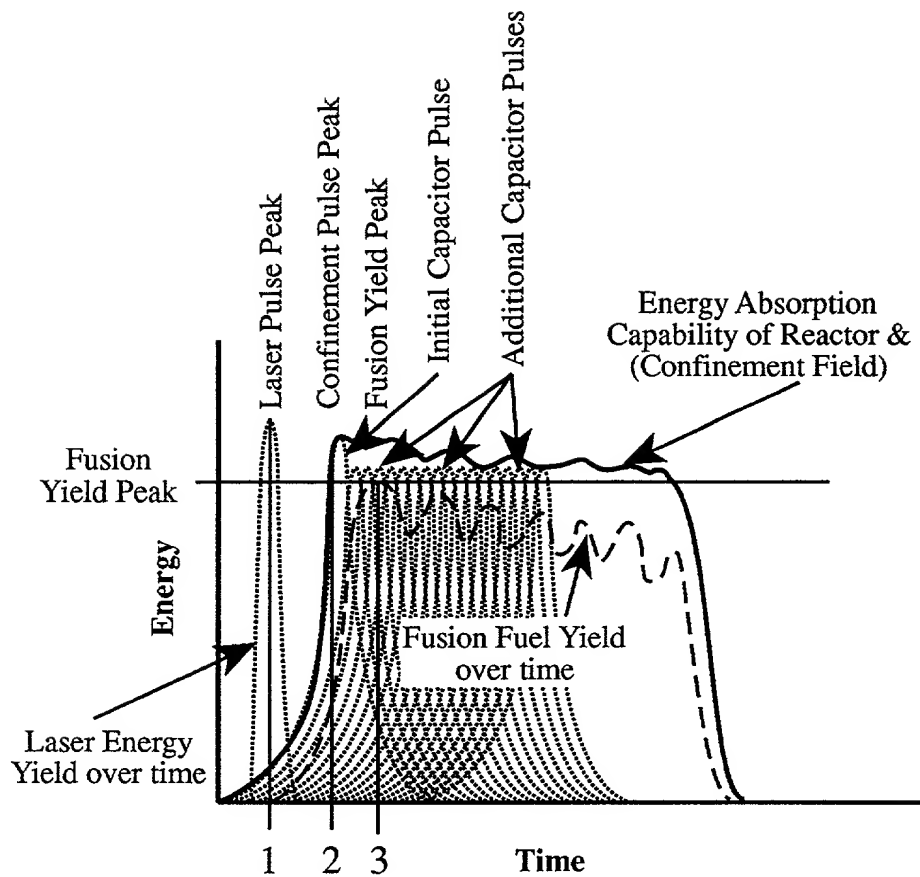


Figure 18

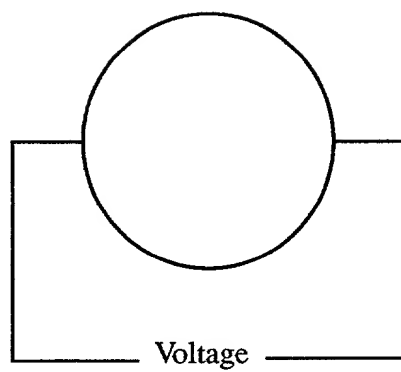


Figure 19

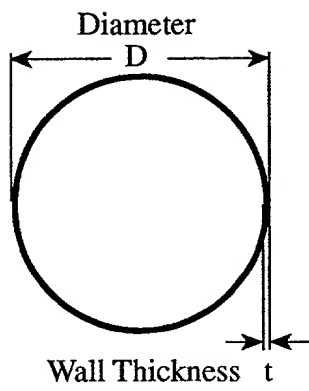


Figure 20

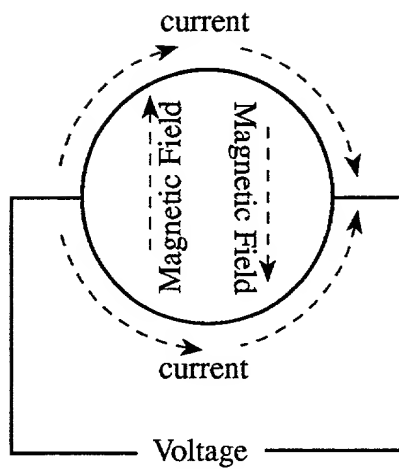


Figure 21

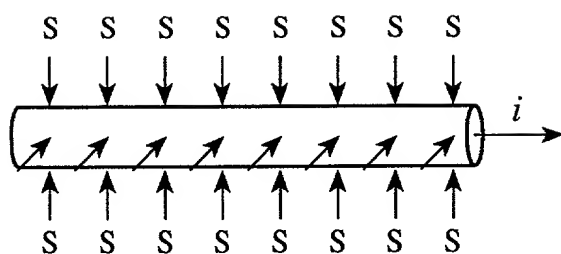


Figure 22

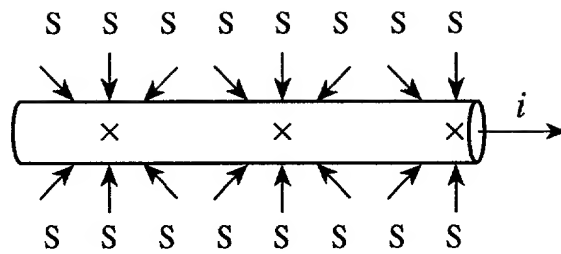
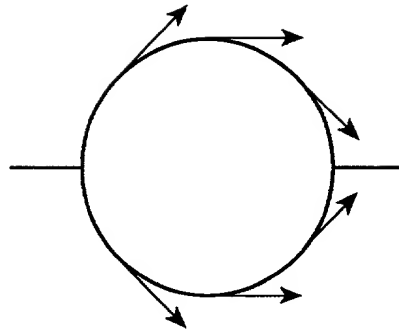
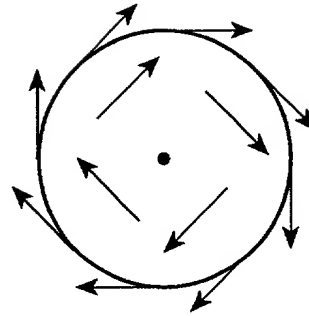


Figure 23



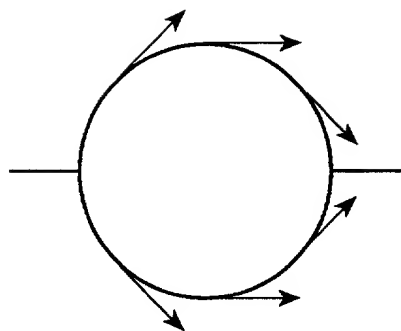
Side View of Core
Tangential Electrical Field



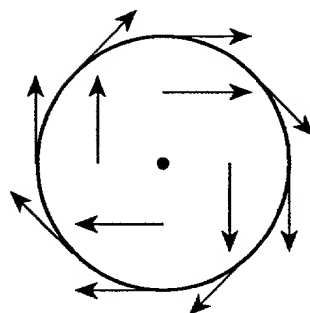
End View of Core
Tangential Magnetic Field

Figure 24(a)

Figure 24(b)



Side View of Core
Tangential Magnetic Field



End View of Core
Tangential Electrical Field

Figure 25(a)

Figure 25(b)

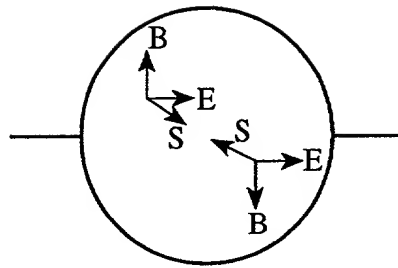


Figure 26

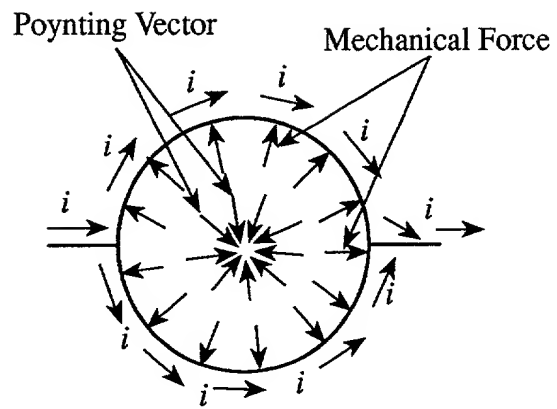


Figure 27

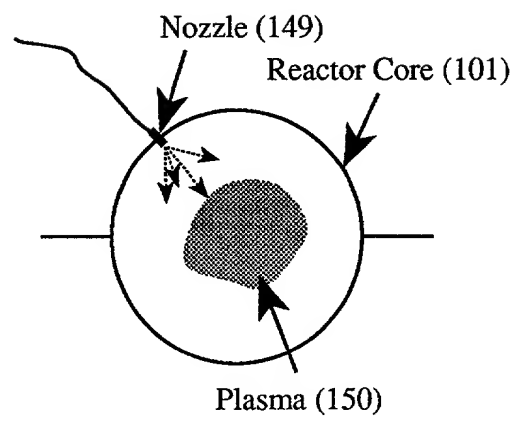


Figure 28

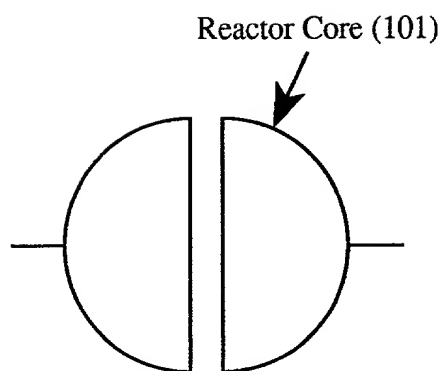


Figure 29(a)

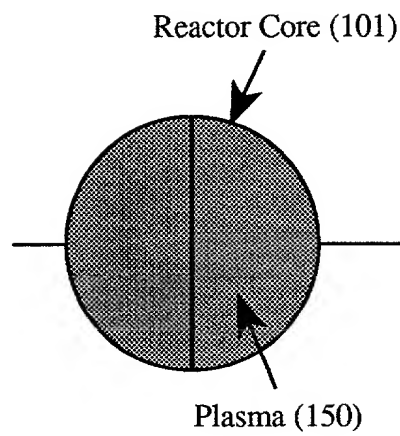


Figure 29(b)

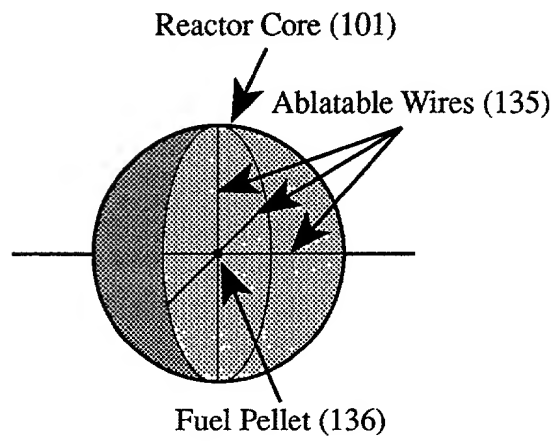


Figure 30

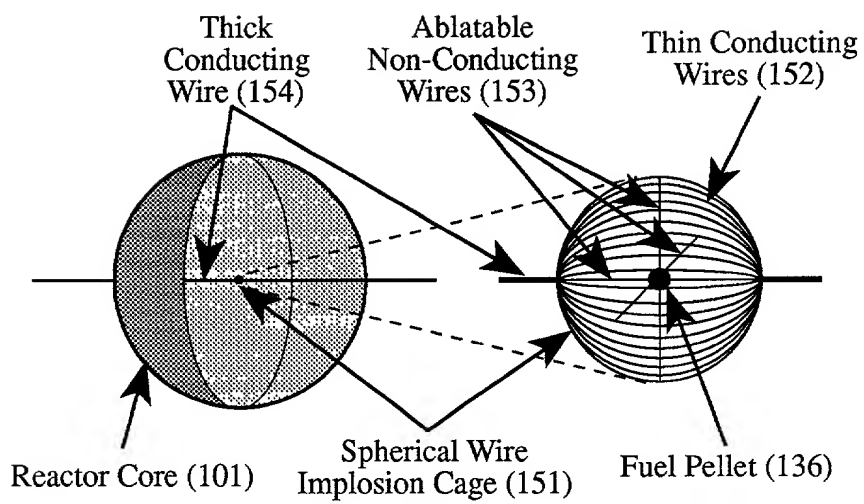


Figure 31

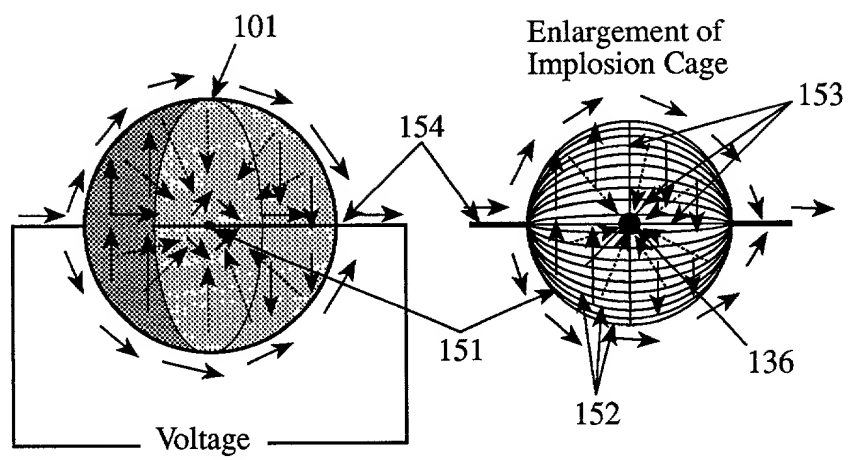


Figure 32

Enlargement of
Implosion Cage
(Designed for Magnetic
Mode operation)

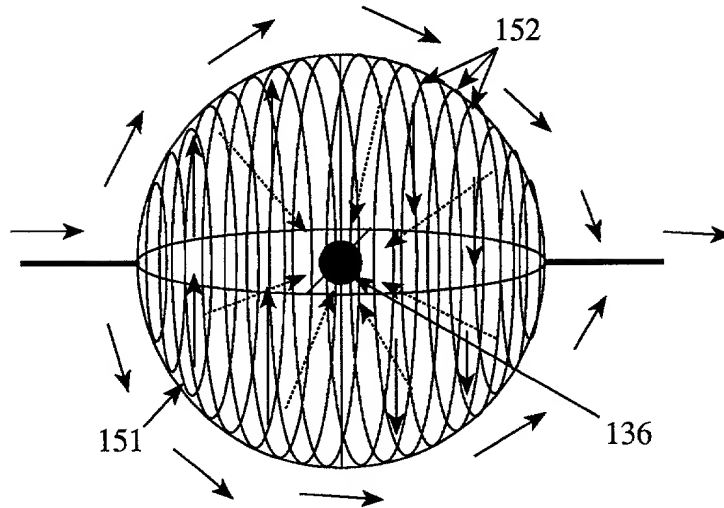
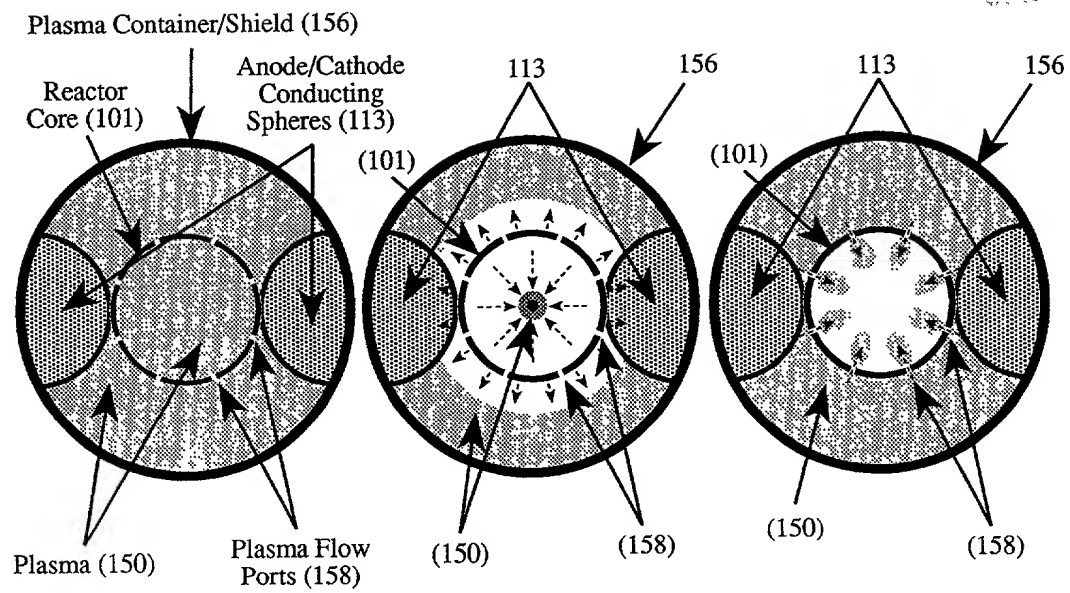


Figure 33



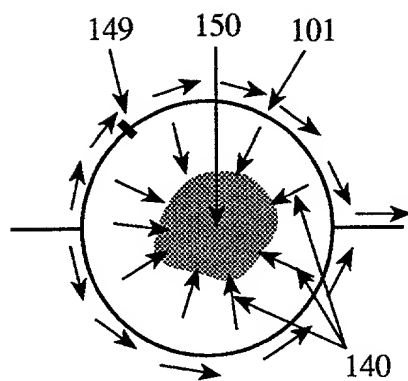


Figure 35

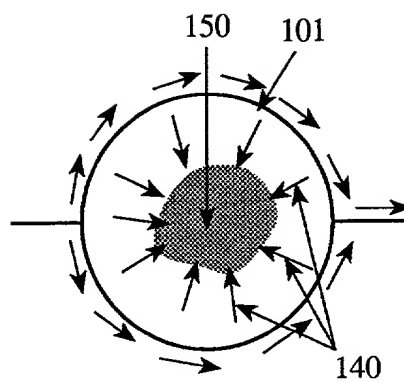


Figure 36

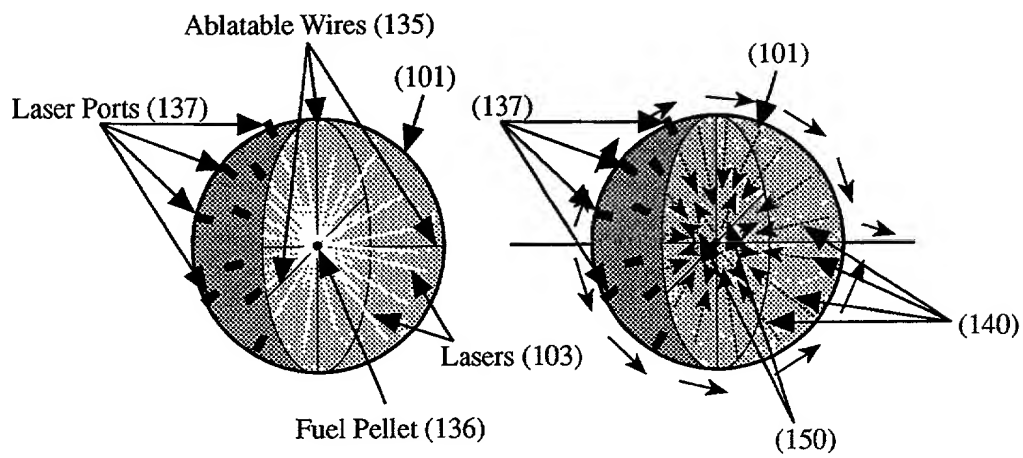


Figure 37(a)

Figure 37(b)

Figure 38(a)

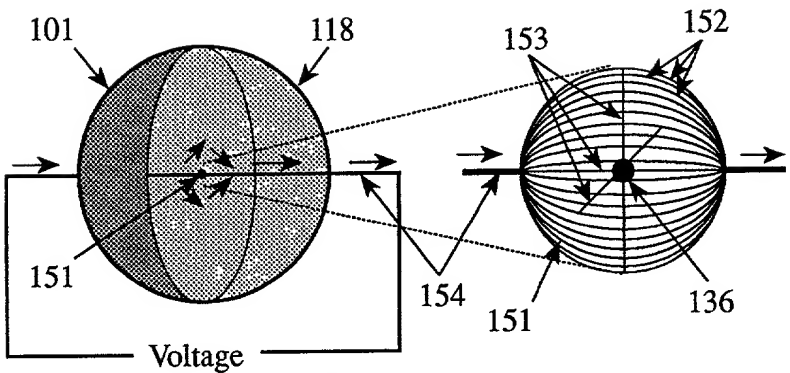


Figure 38(b)

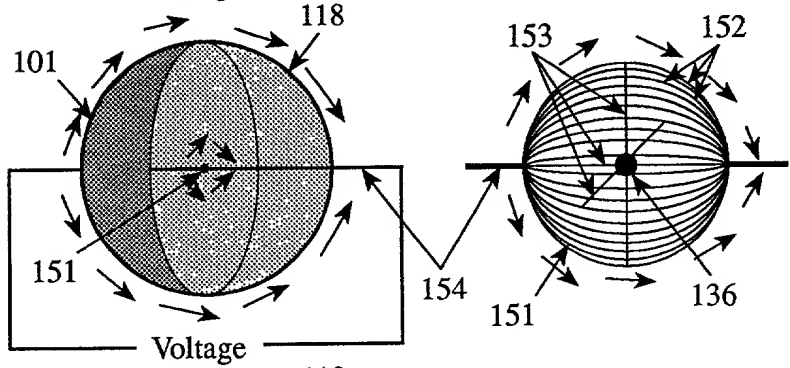


Figure 38(c)

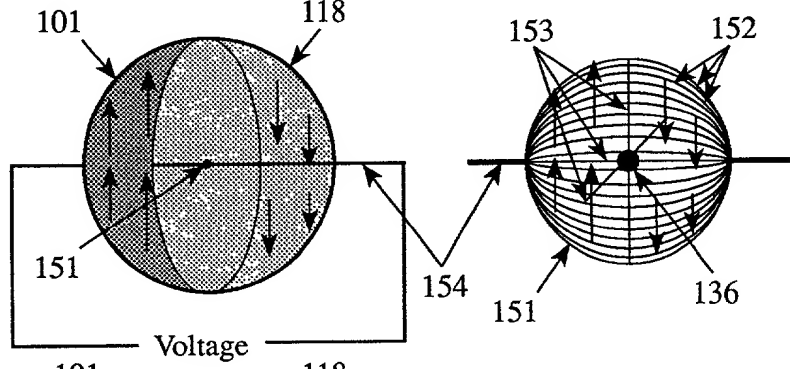
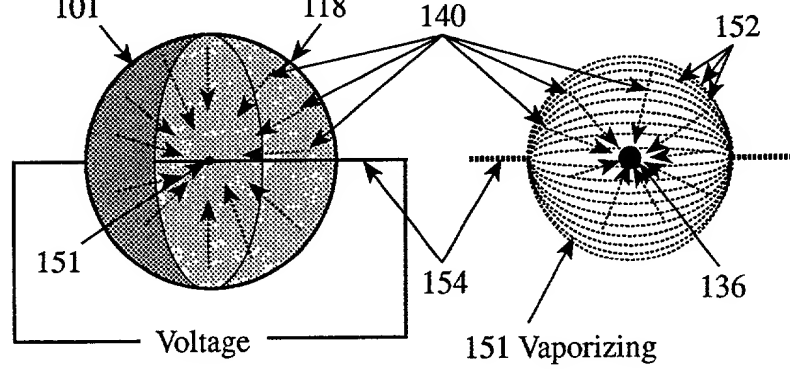


Figure 38(d)



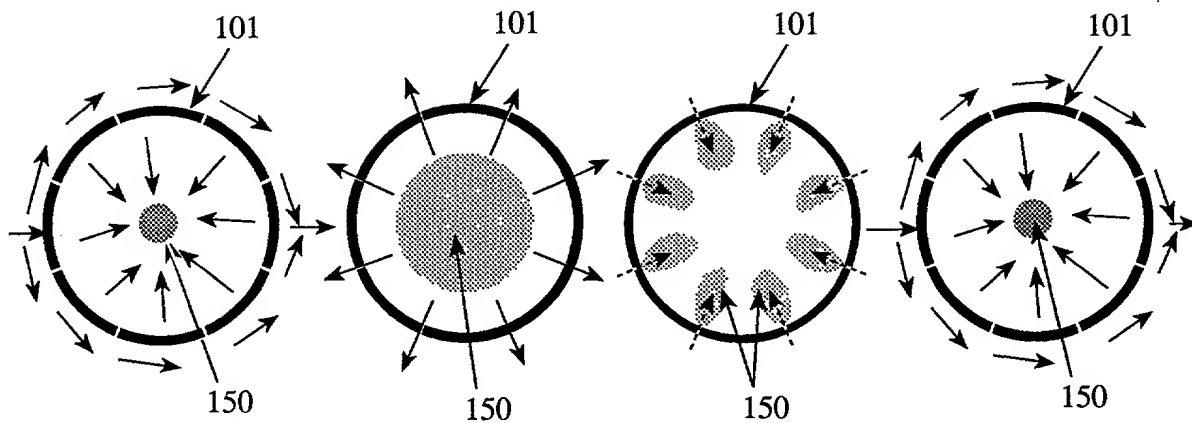


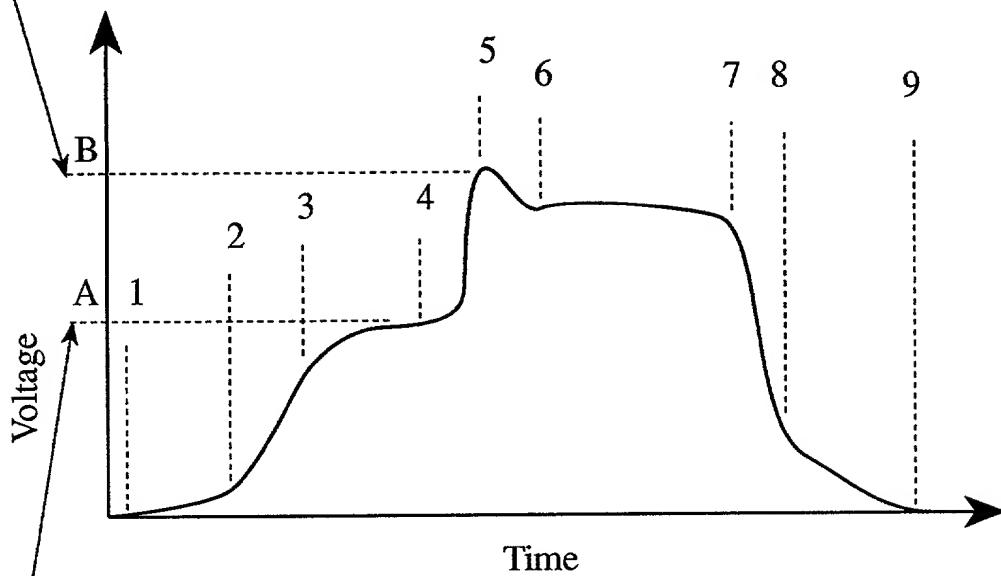
Figure 39(a)

Figure 39(b)

Figure 39(c)

Figure 39(d)

MHD Fields (162)



Spherical Electromagnetic
Confinement Field (140)

Figure 40

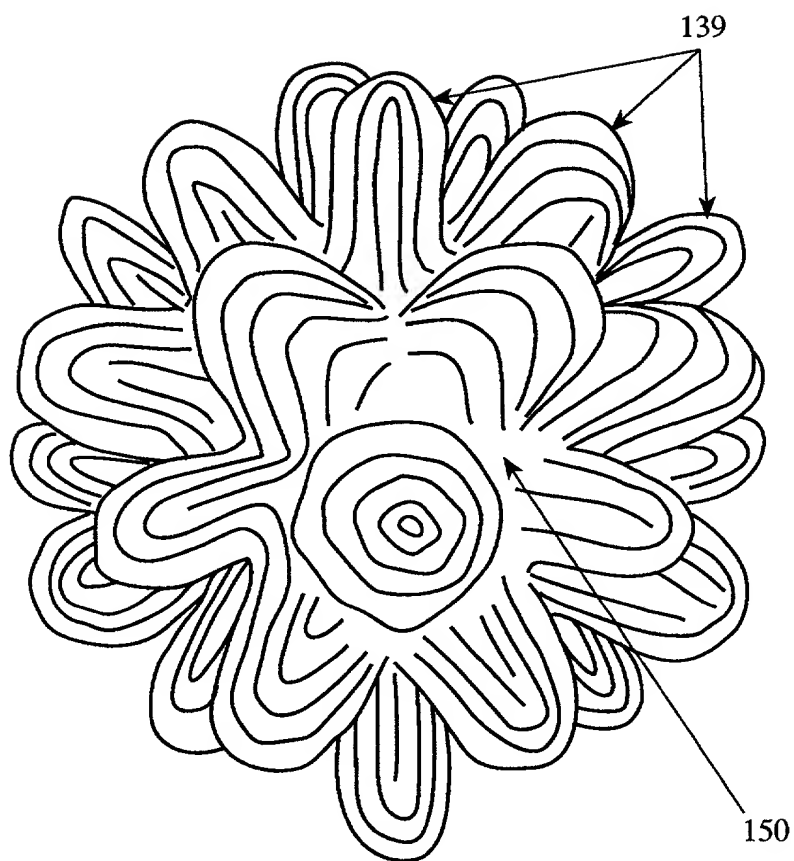


Figure 41

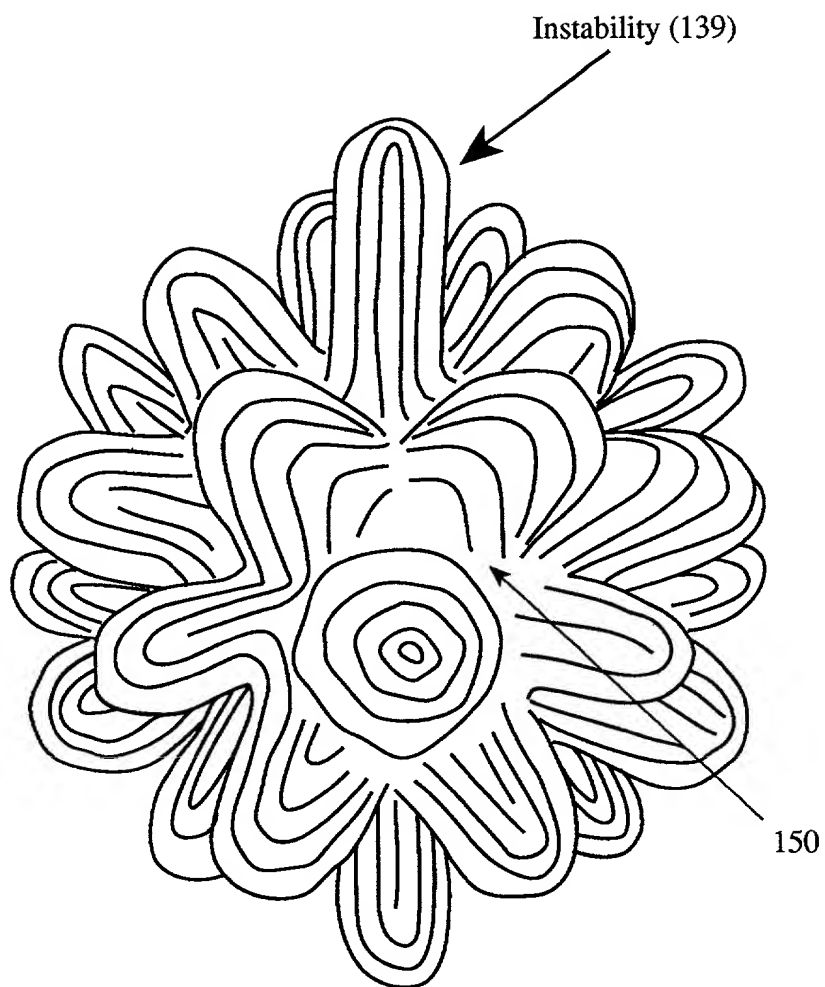


Figure 42

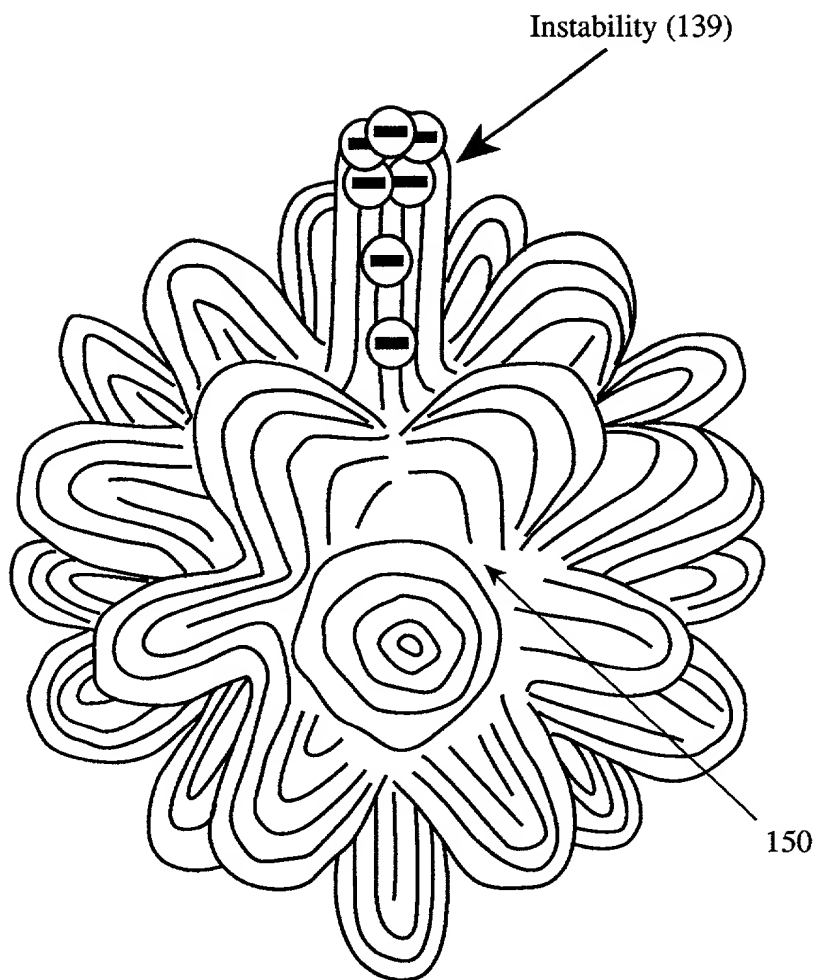


Figure 43

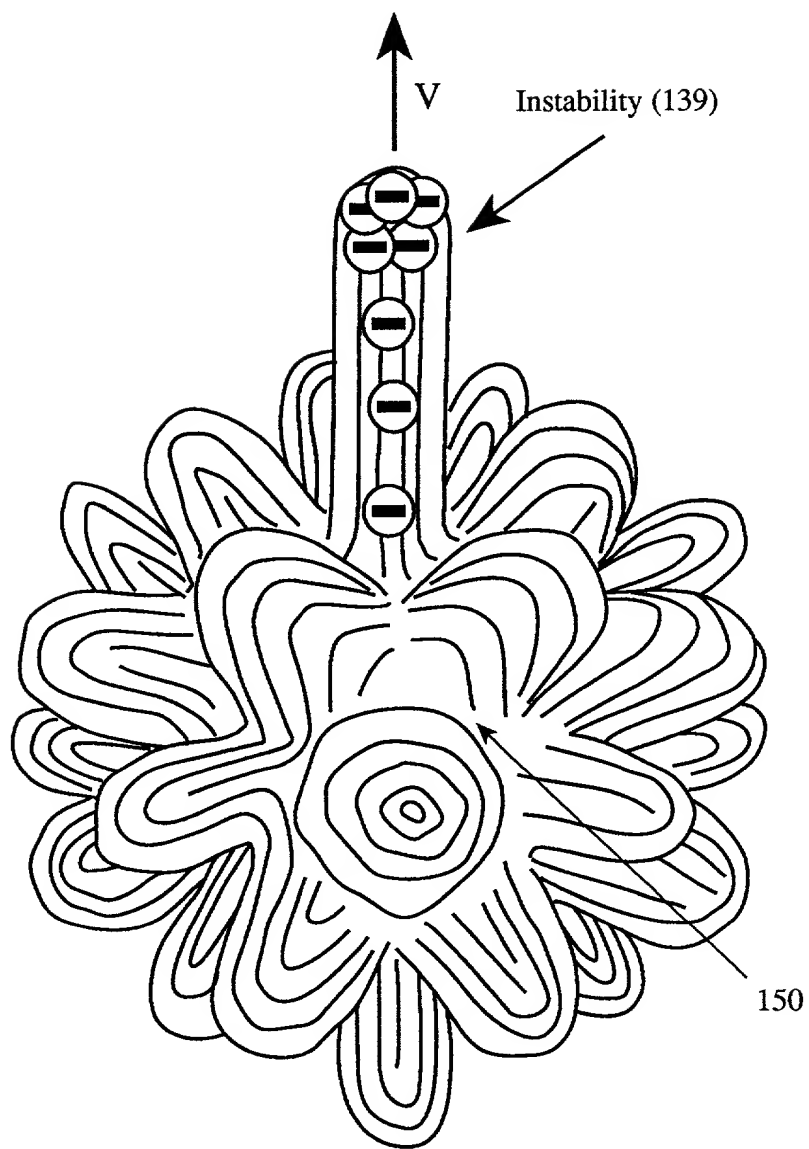


Figure 44

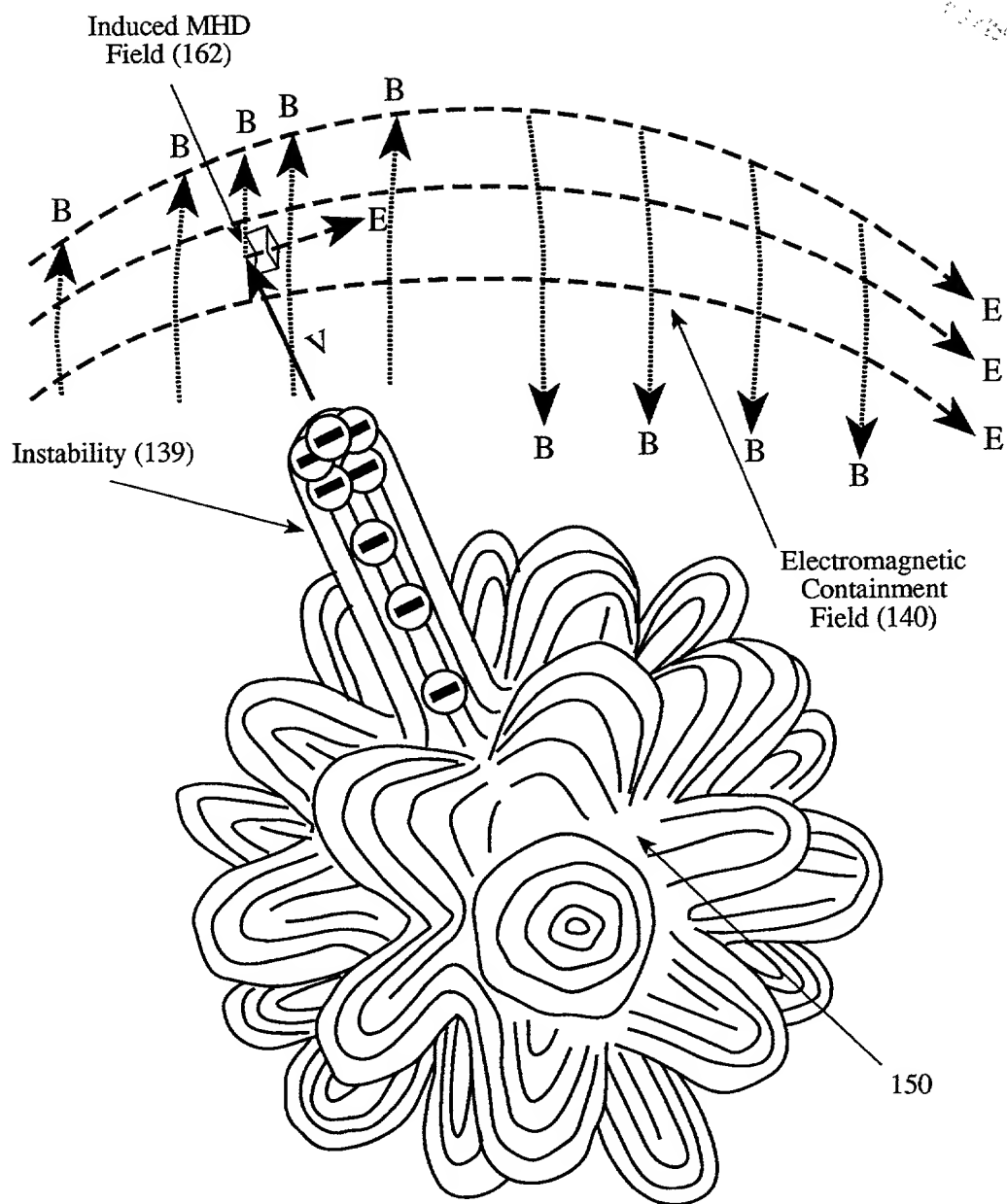


Figure 45

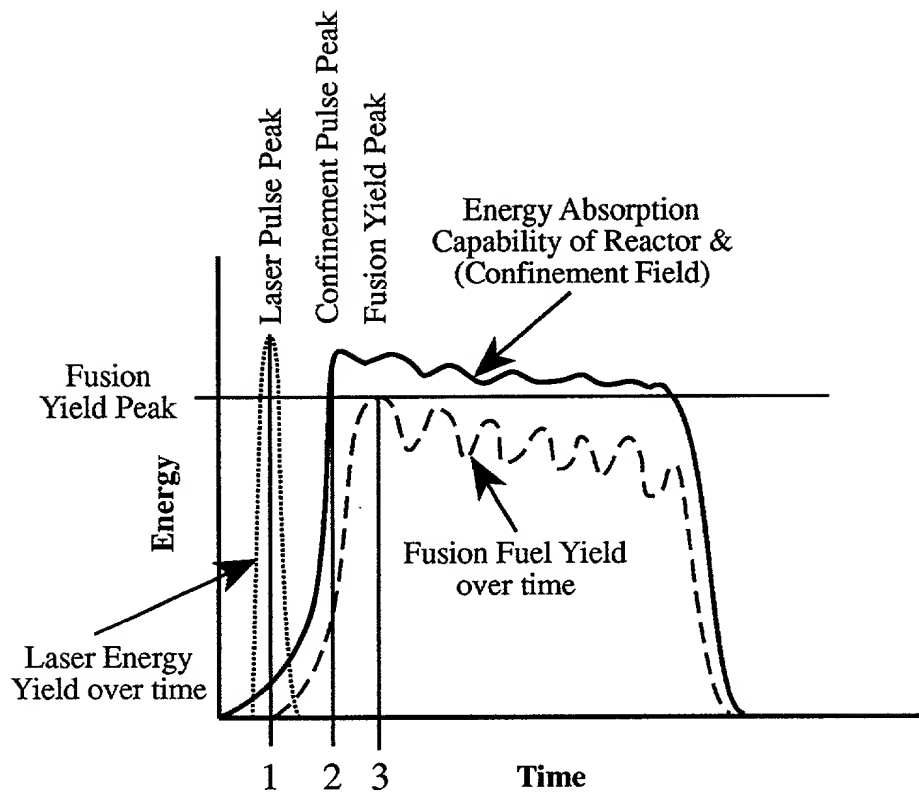


Figure 46

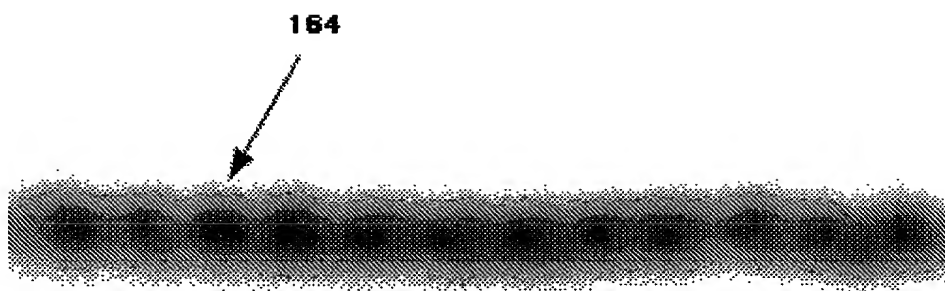


Figure 47

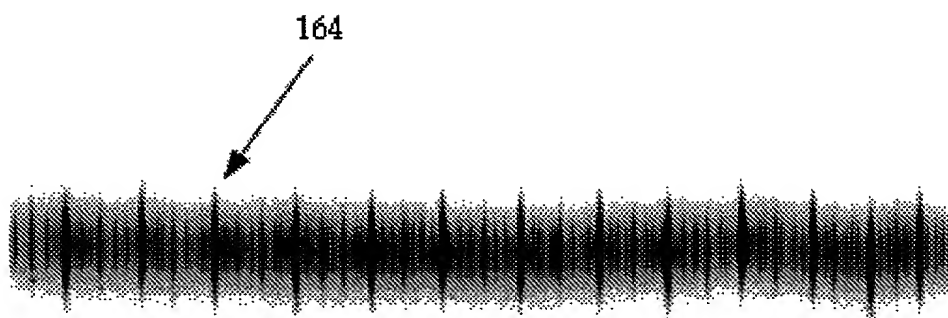


Figure 48

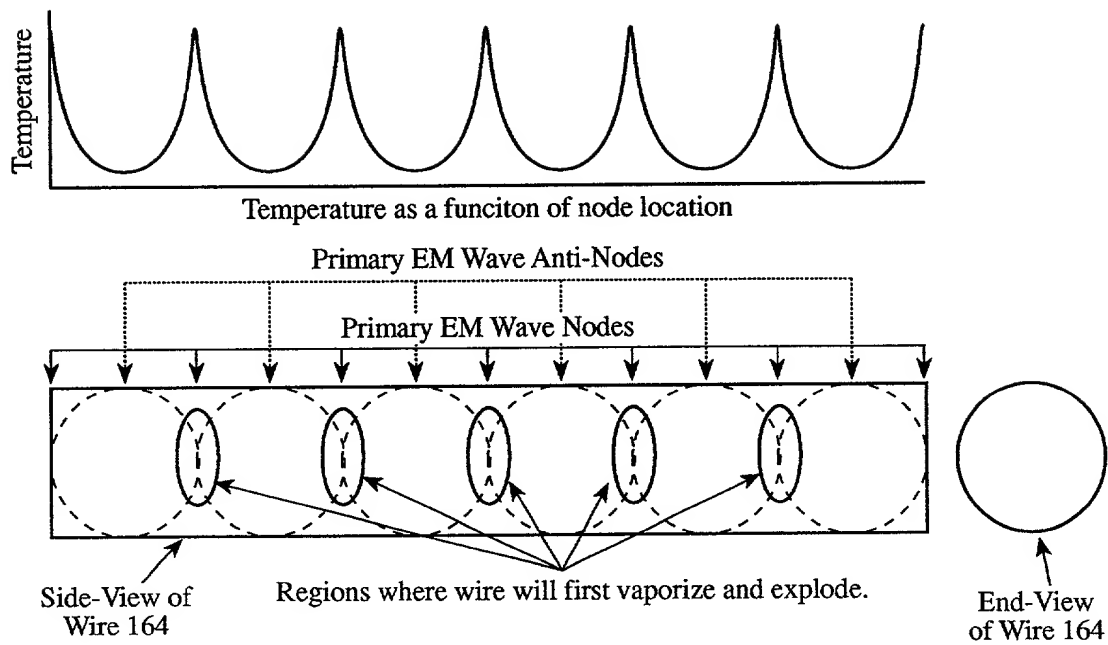


Figure 49

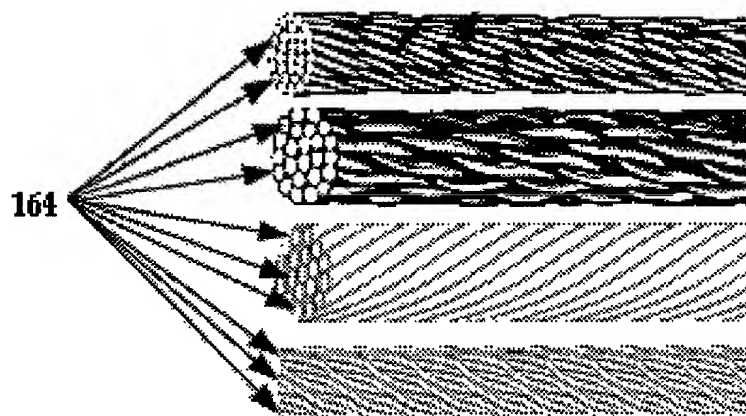


Figure 50

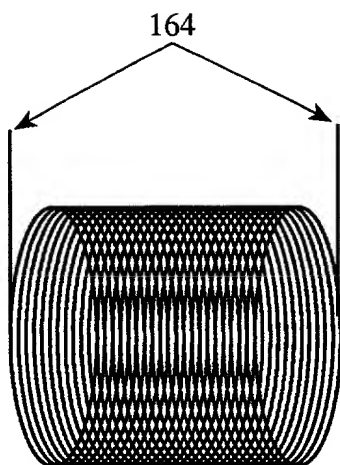


Figure 51(a)

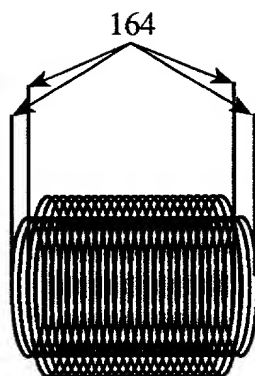


Figure 51(b)

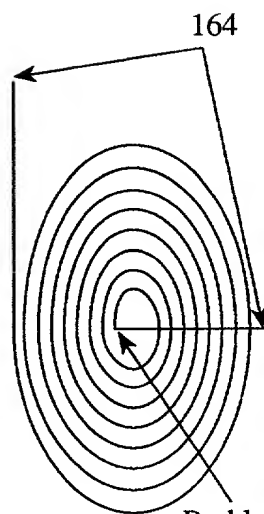


Figure 51(c)

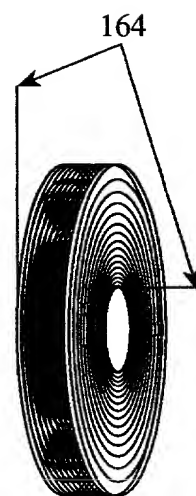


Figure 51(d)

Problem
Location

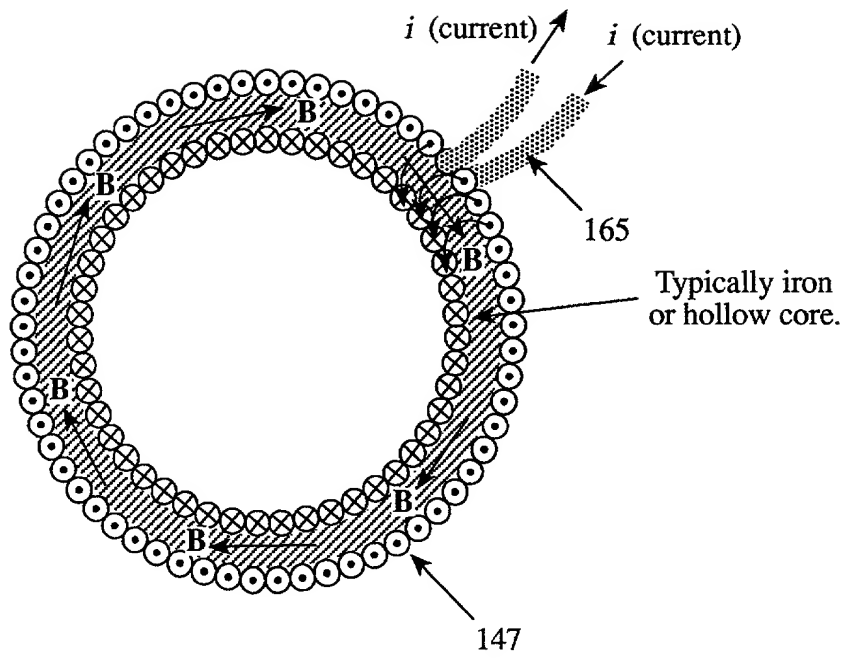
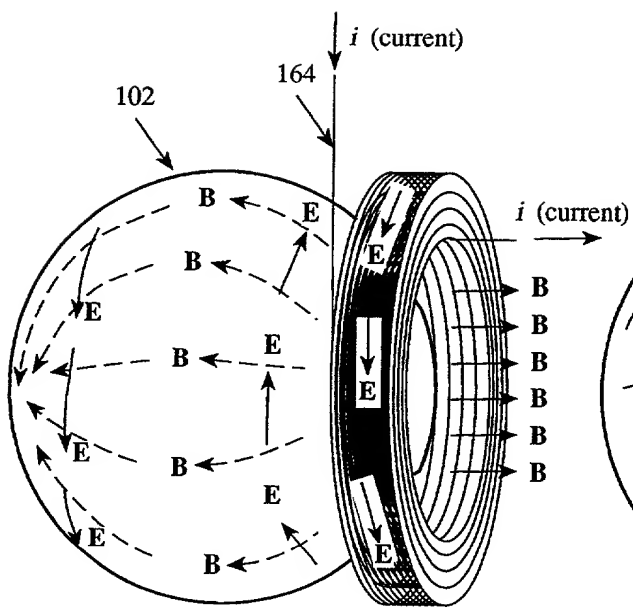
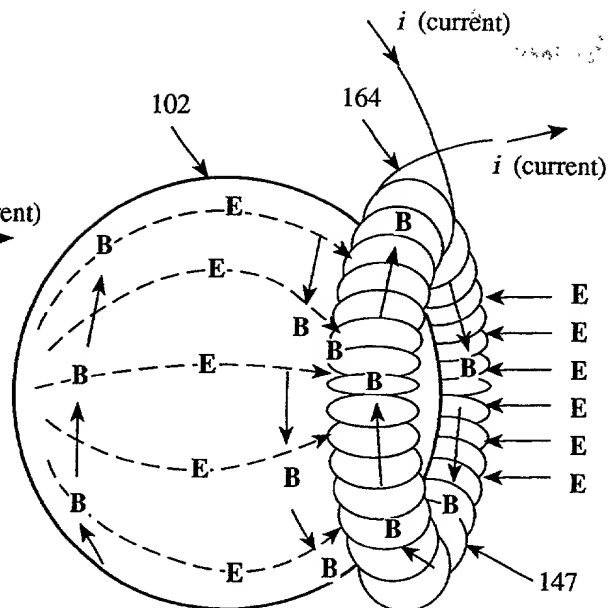


Figure 52



Interaction of
a normal coil's E & B fields with
a conducting sphere's E & B fields.

Figure 53(a)



Interaction of
a Rowland Ring coil's E & B fields with
a conducting sphere's E & B fields.

Figure 53(b)

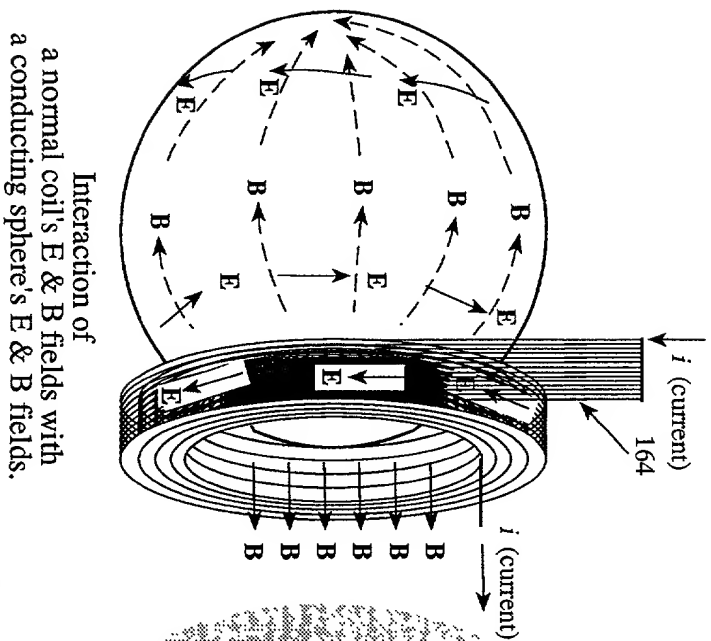


Figure 54(a)

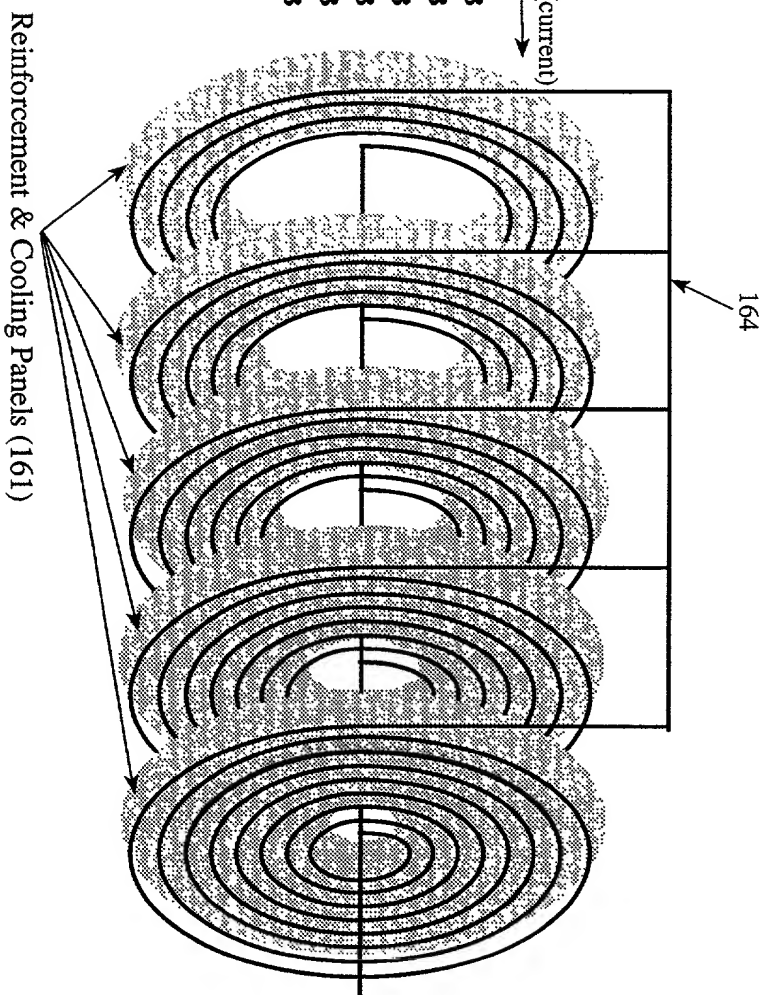


Figure 54(b)

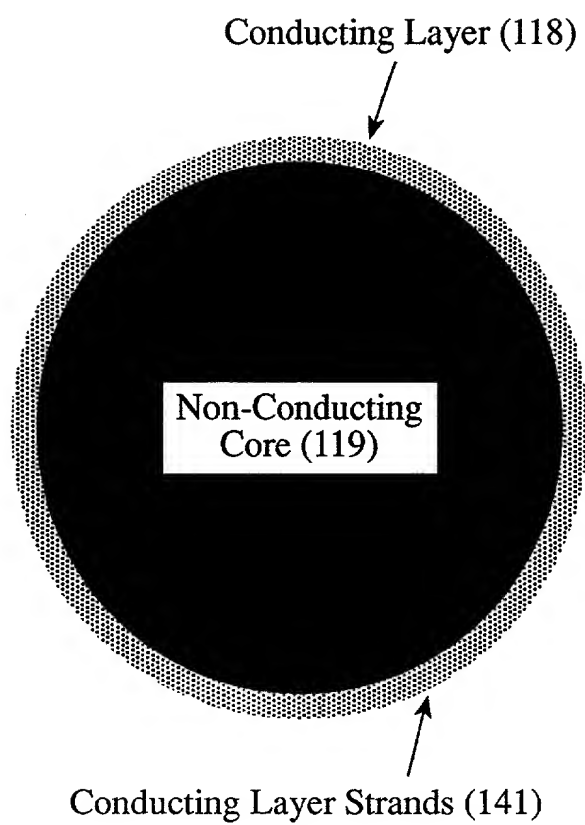


Figure 55(a)

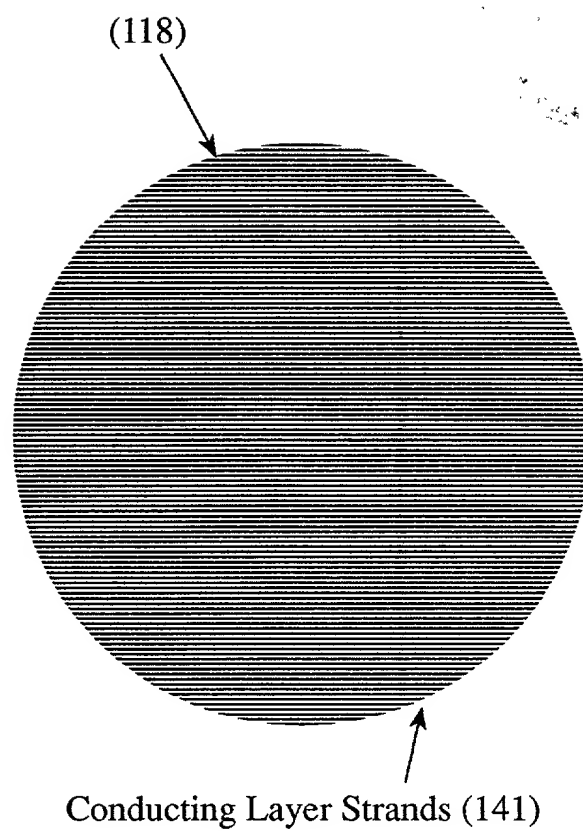


Figure 55(b)

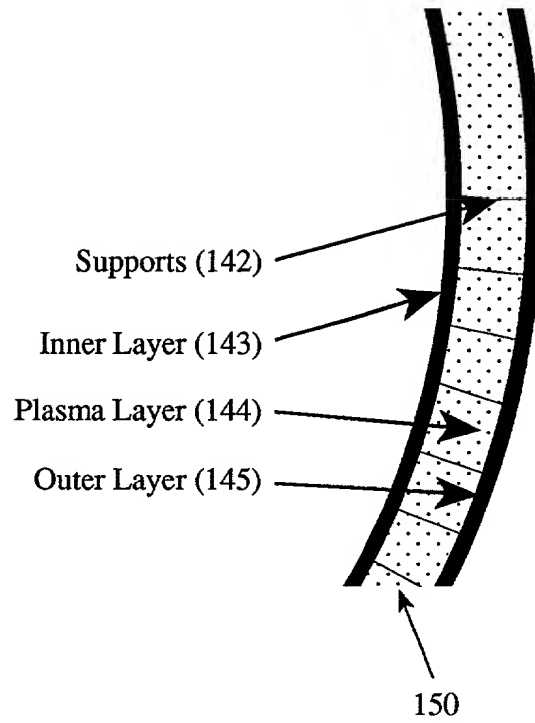


Figure 56

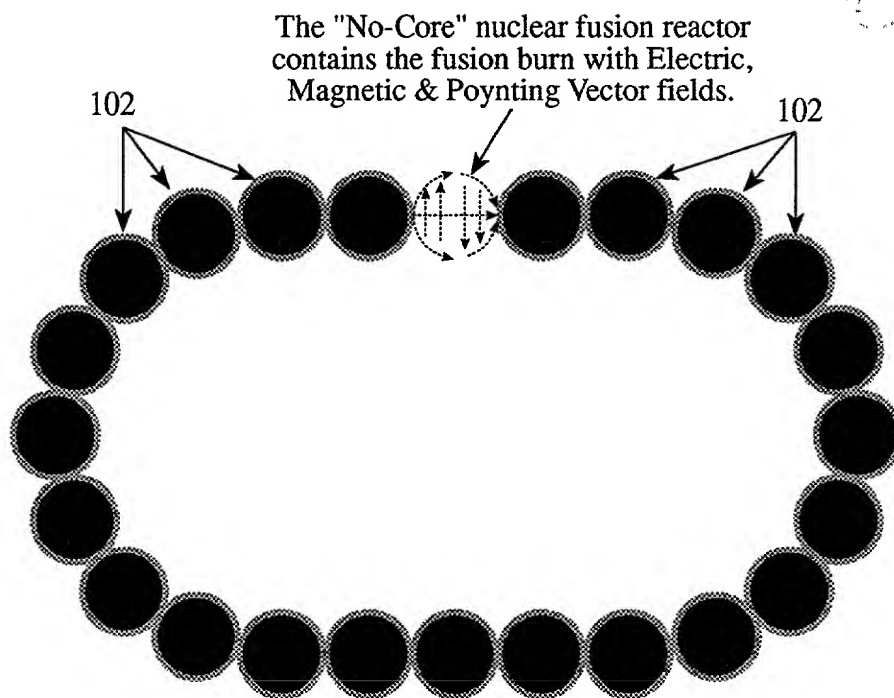


Figure 57

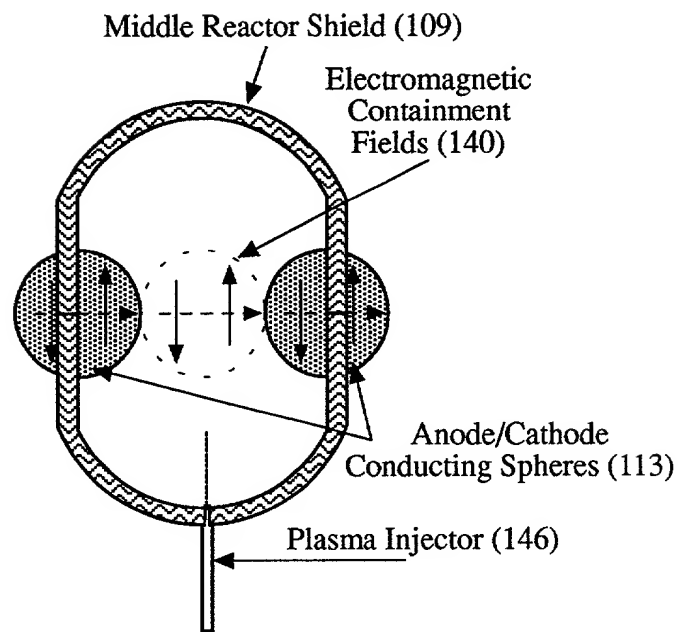


Figure 58

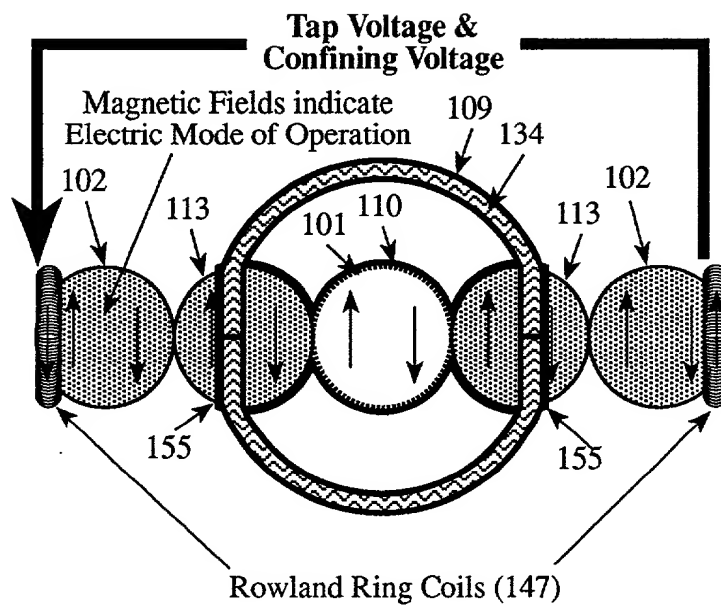


Figure 59

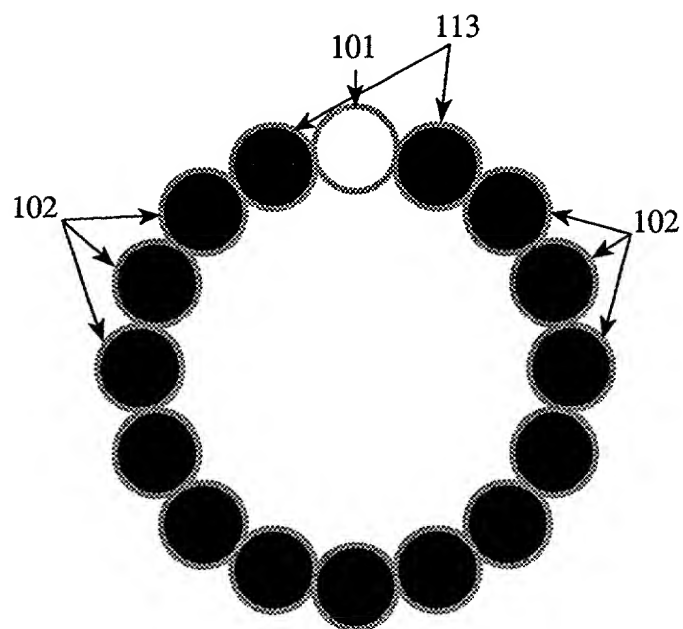


Figure 60

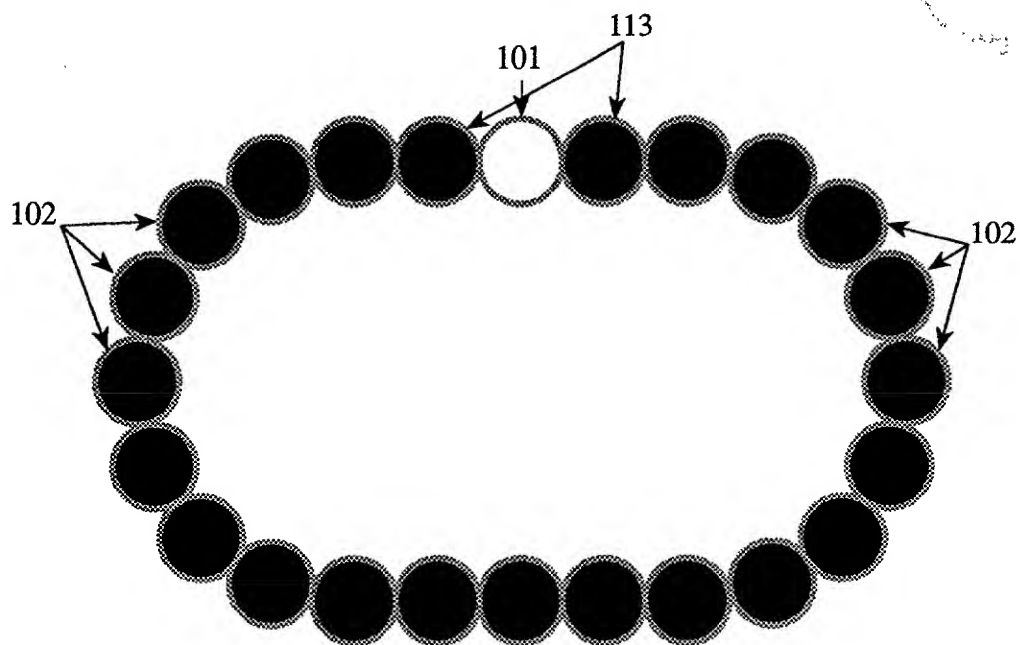


Figure 61

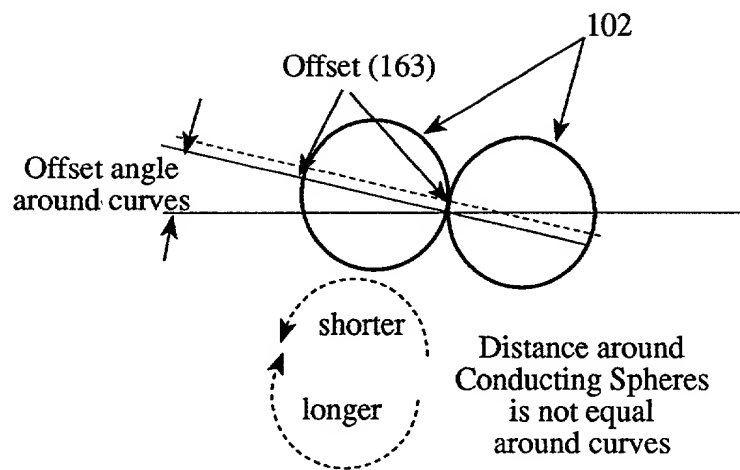


Figure 62

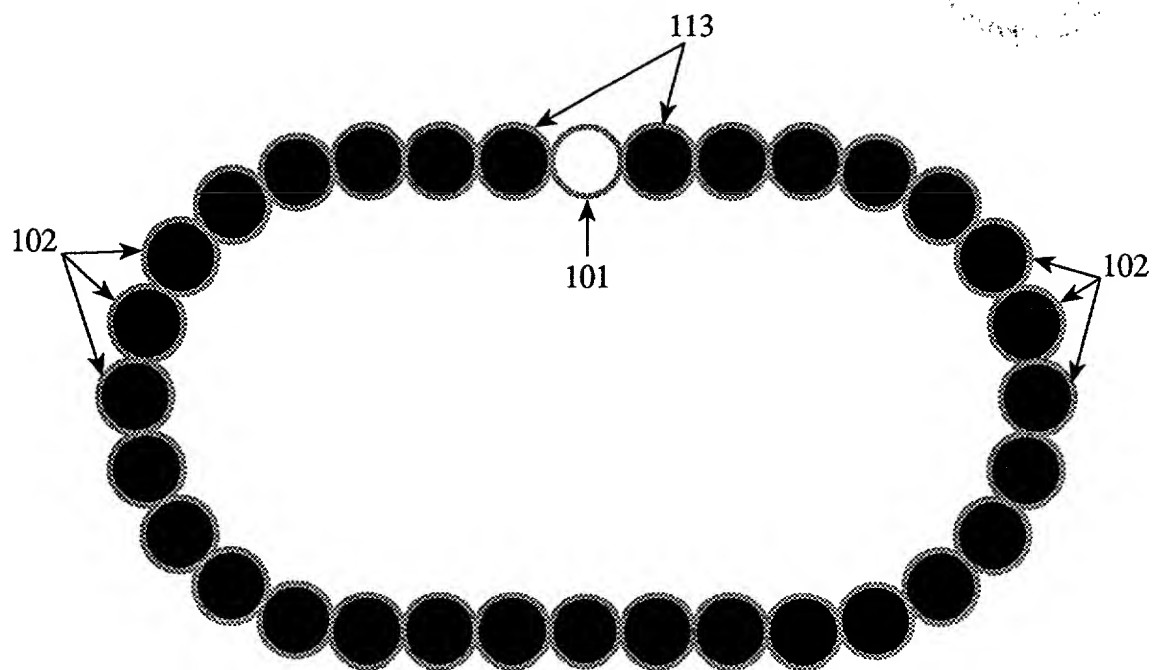


Figure 63

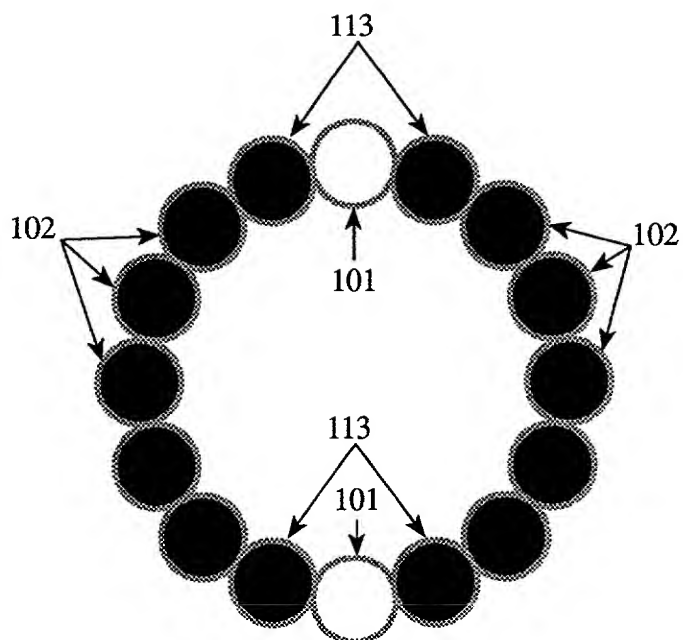


Figure 64

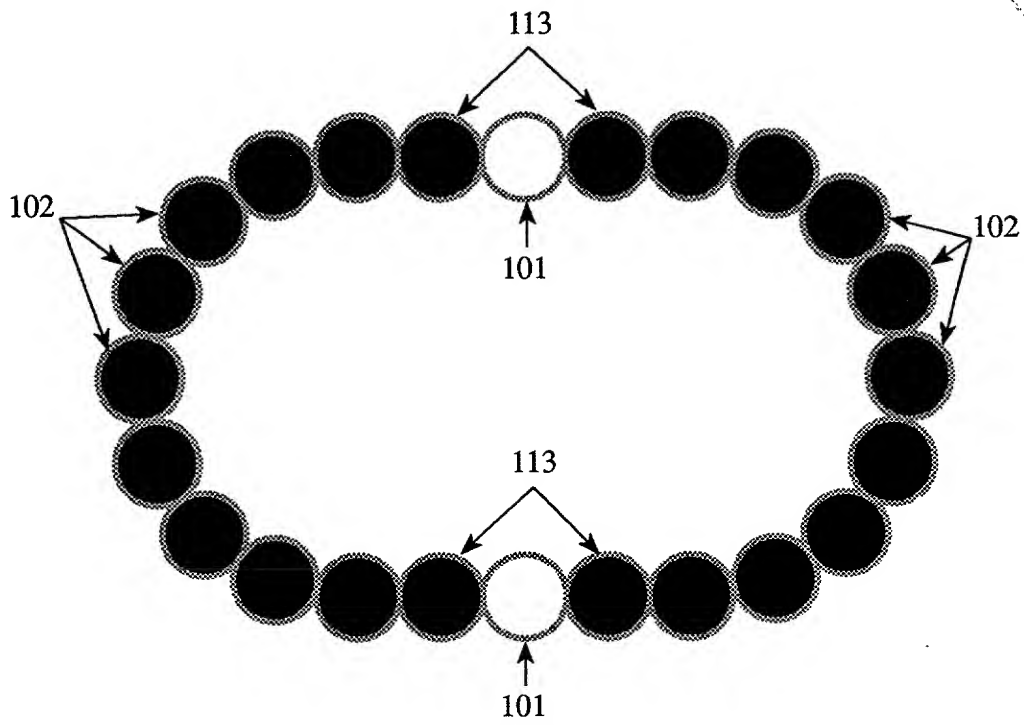


Figure 65

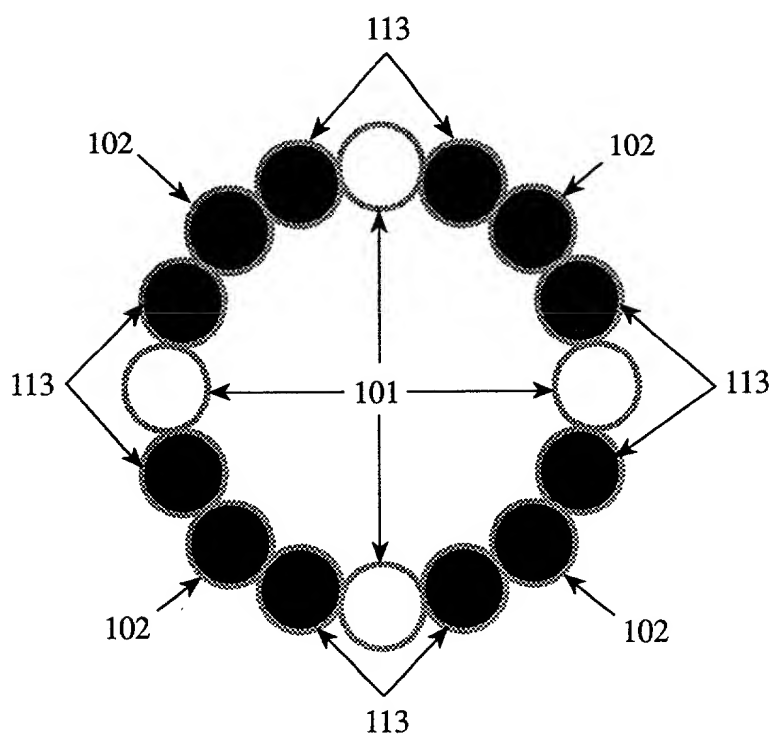
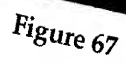
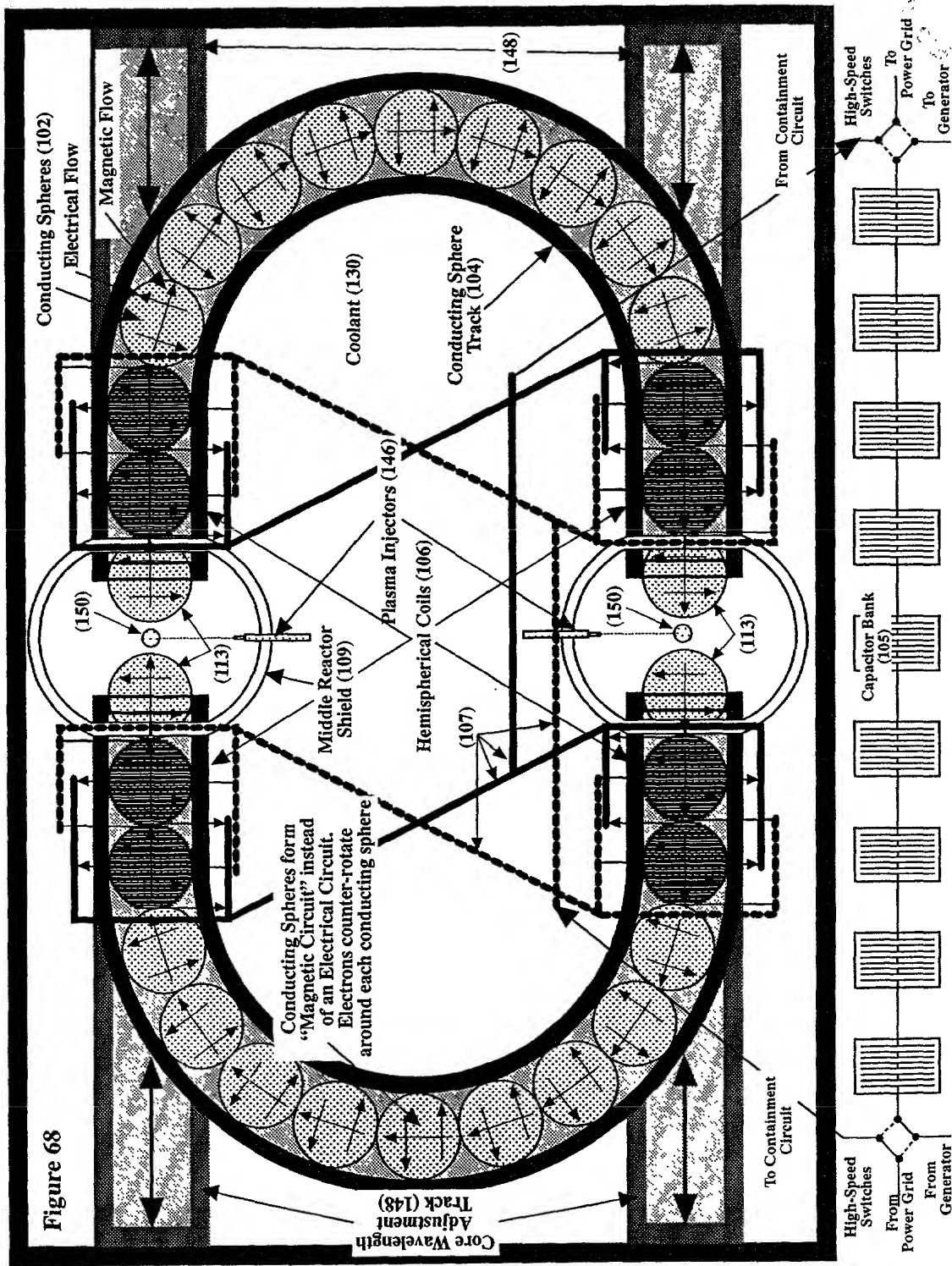


Figure 66





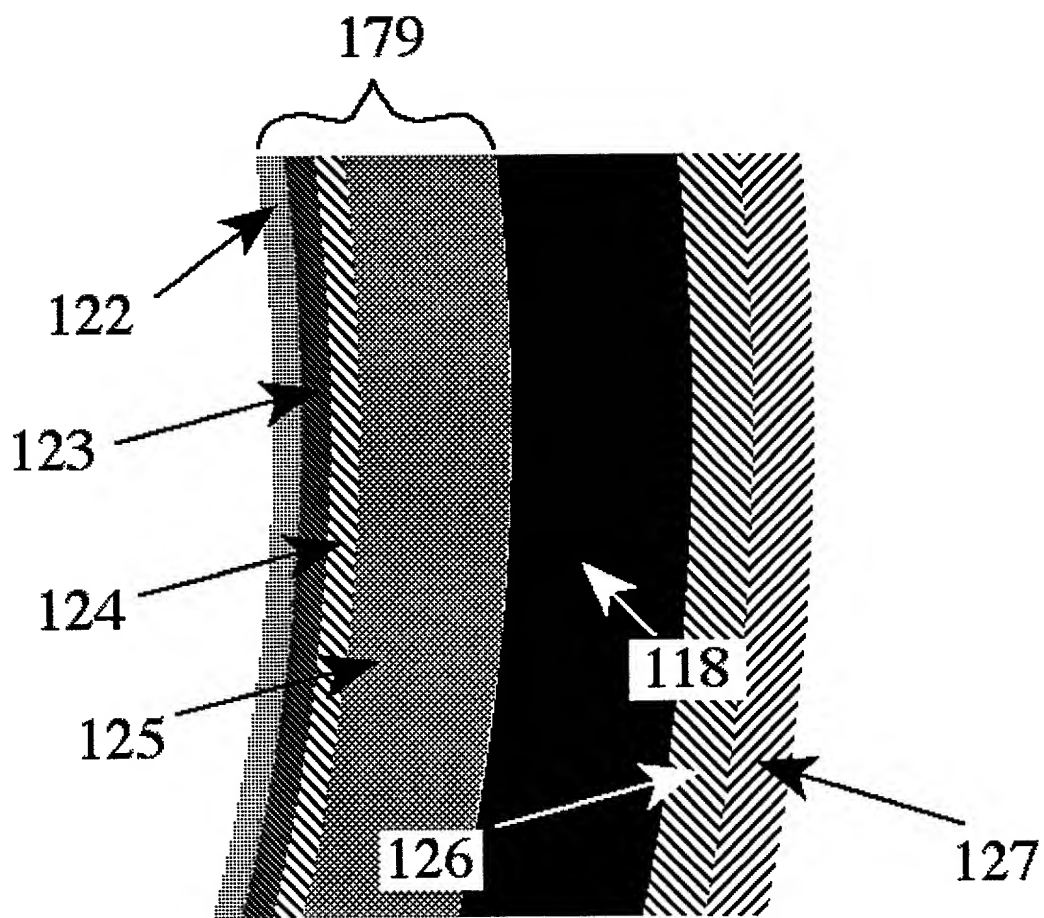


Figure 69

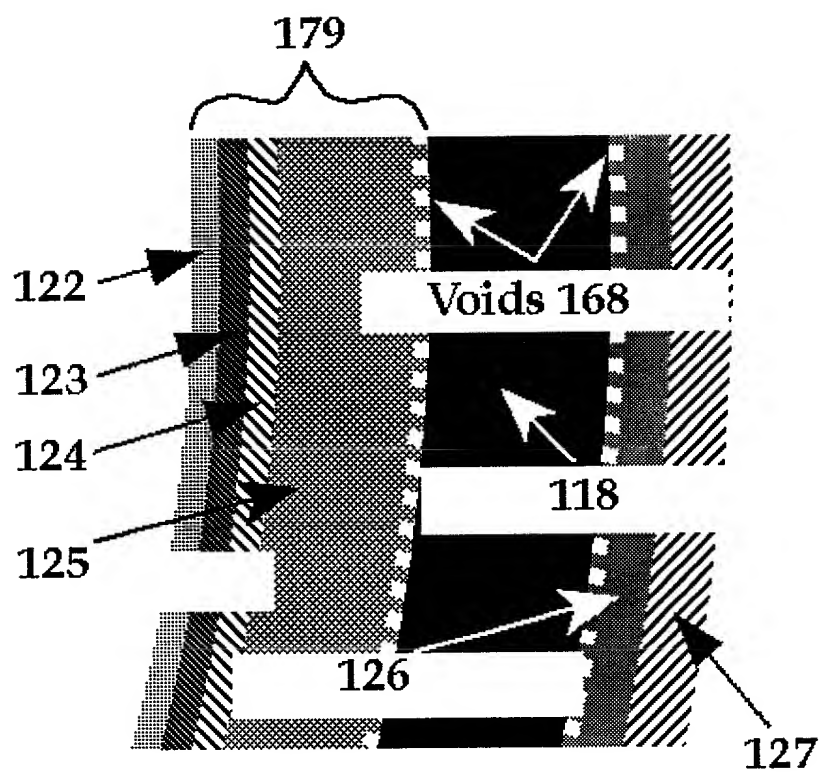


Figure 70

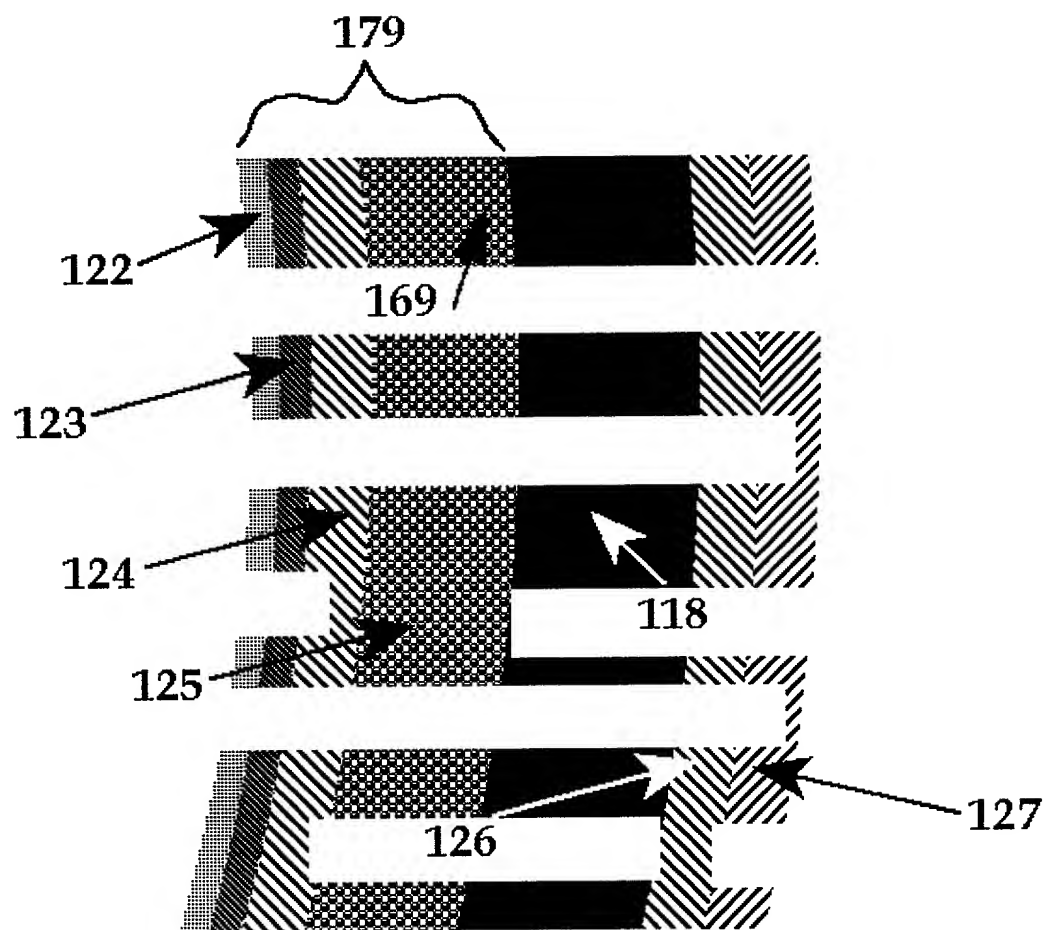


Figure 71

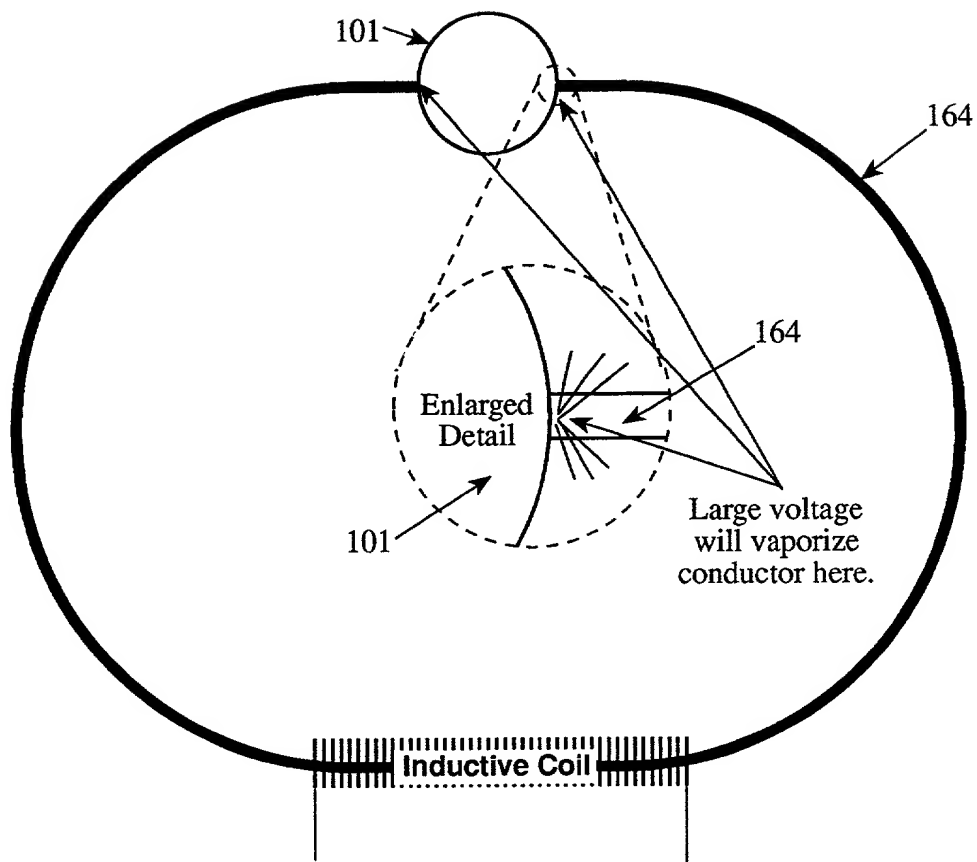


Figure 72

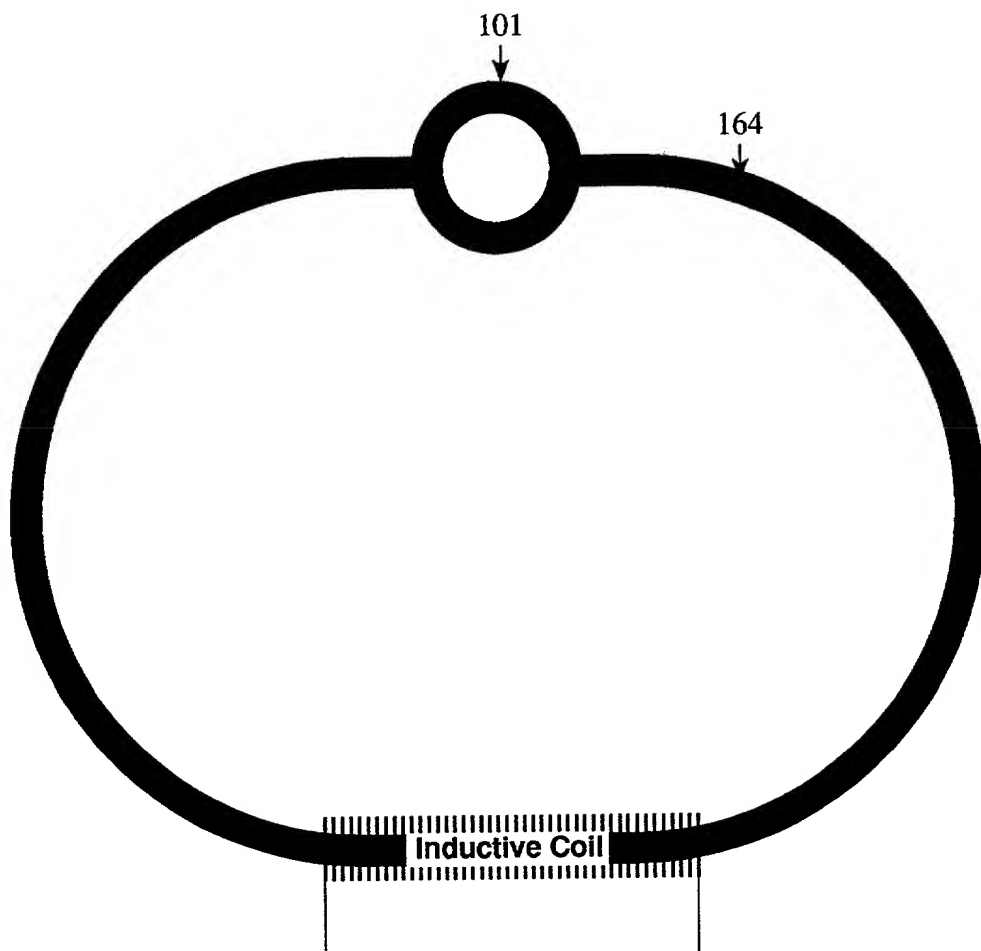


Figure 73

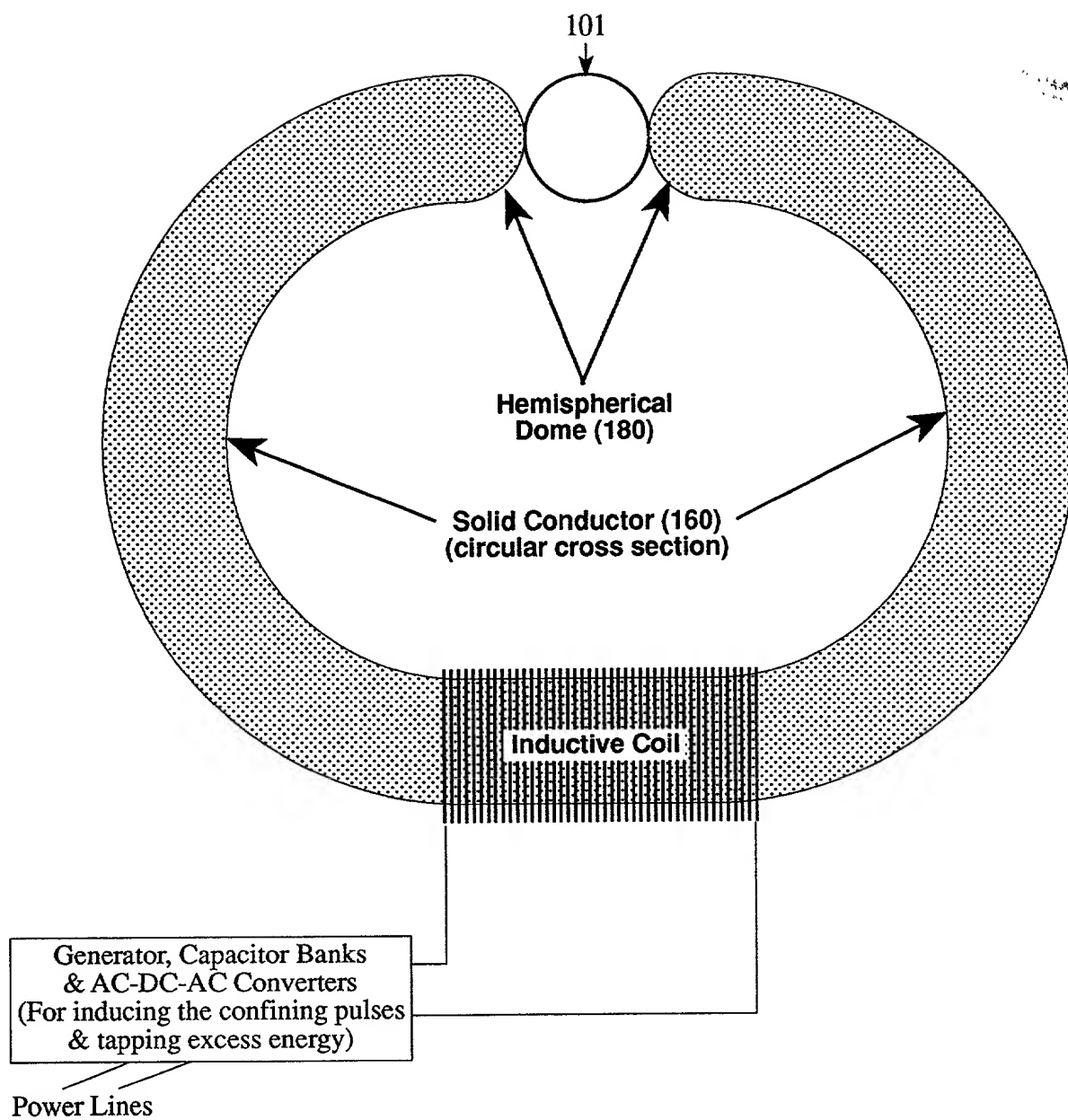


Figure 74

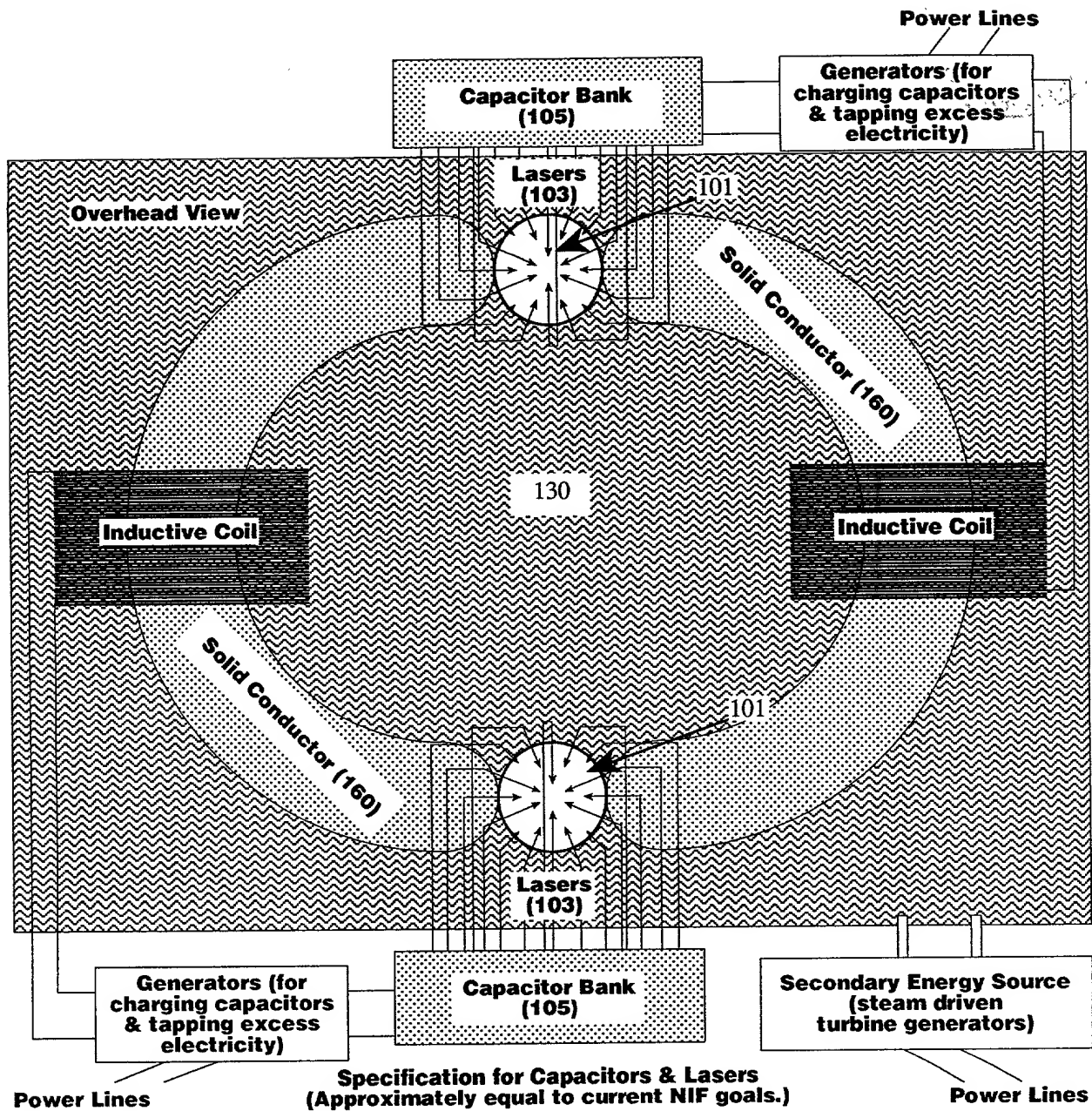


Figure 75

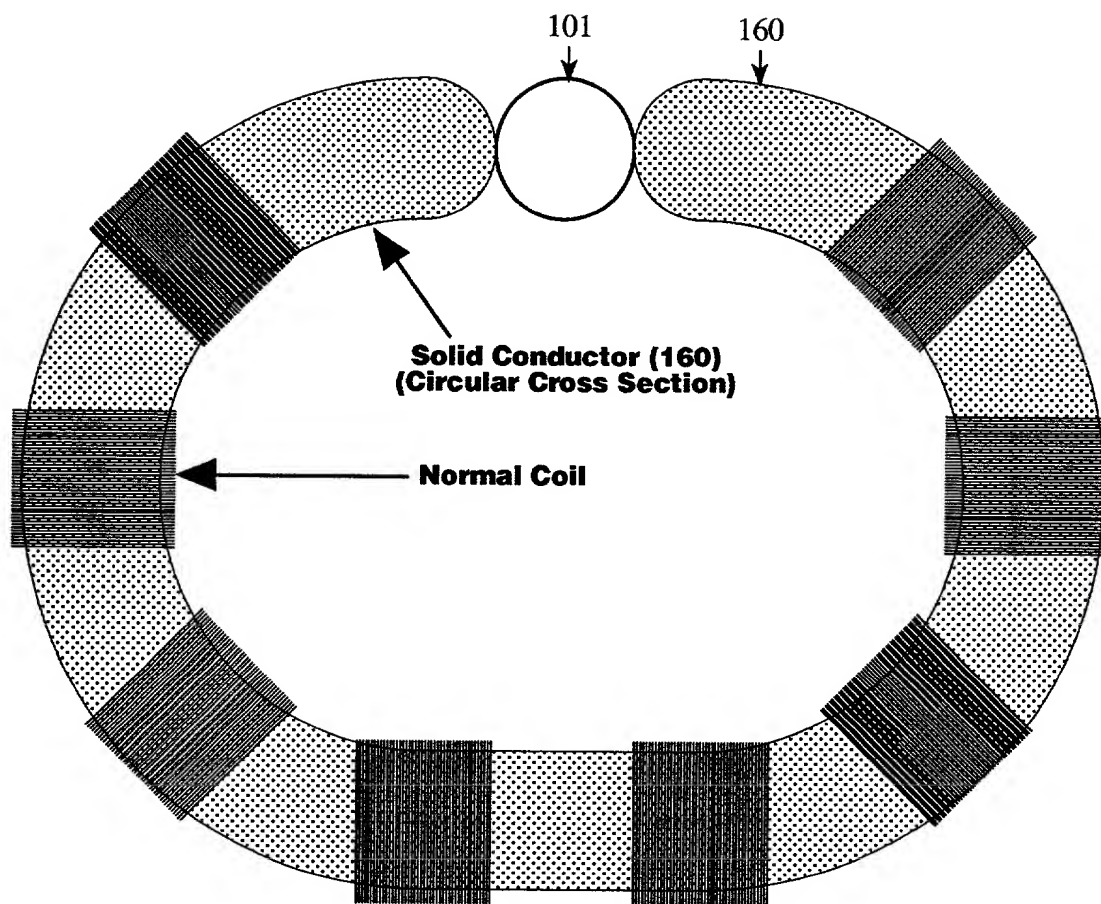


Figure 76

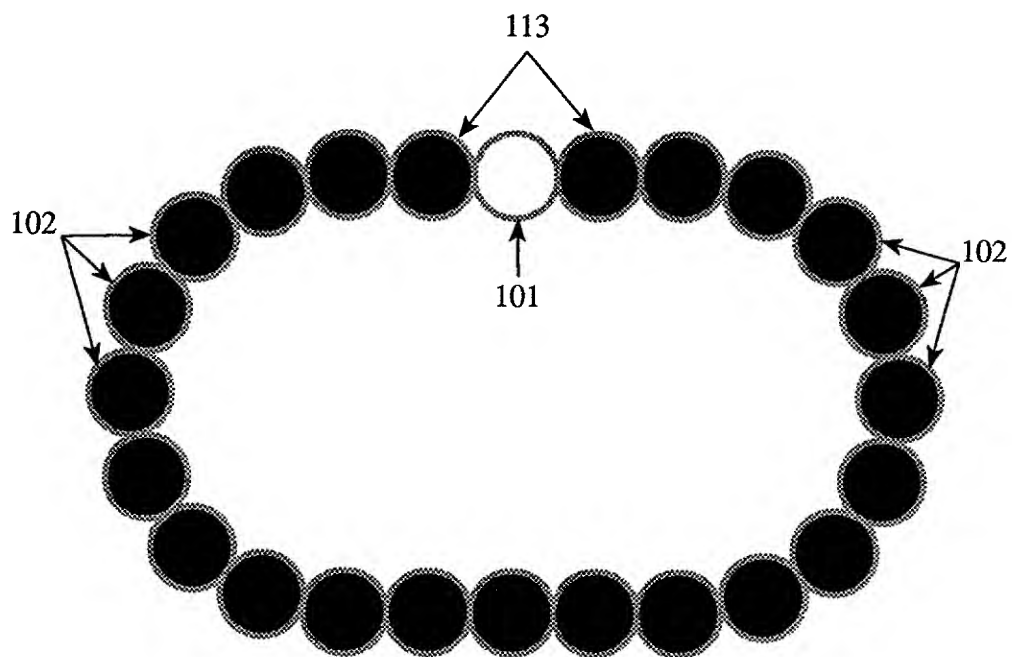


Figure 77

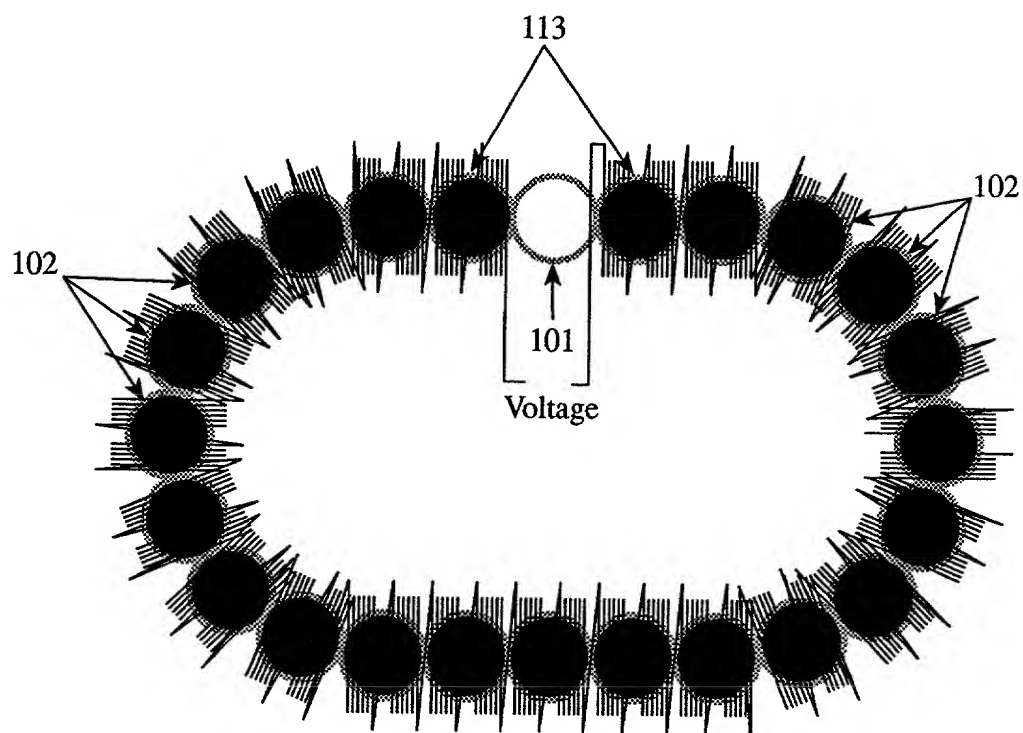


Figure 78

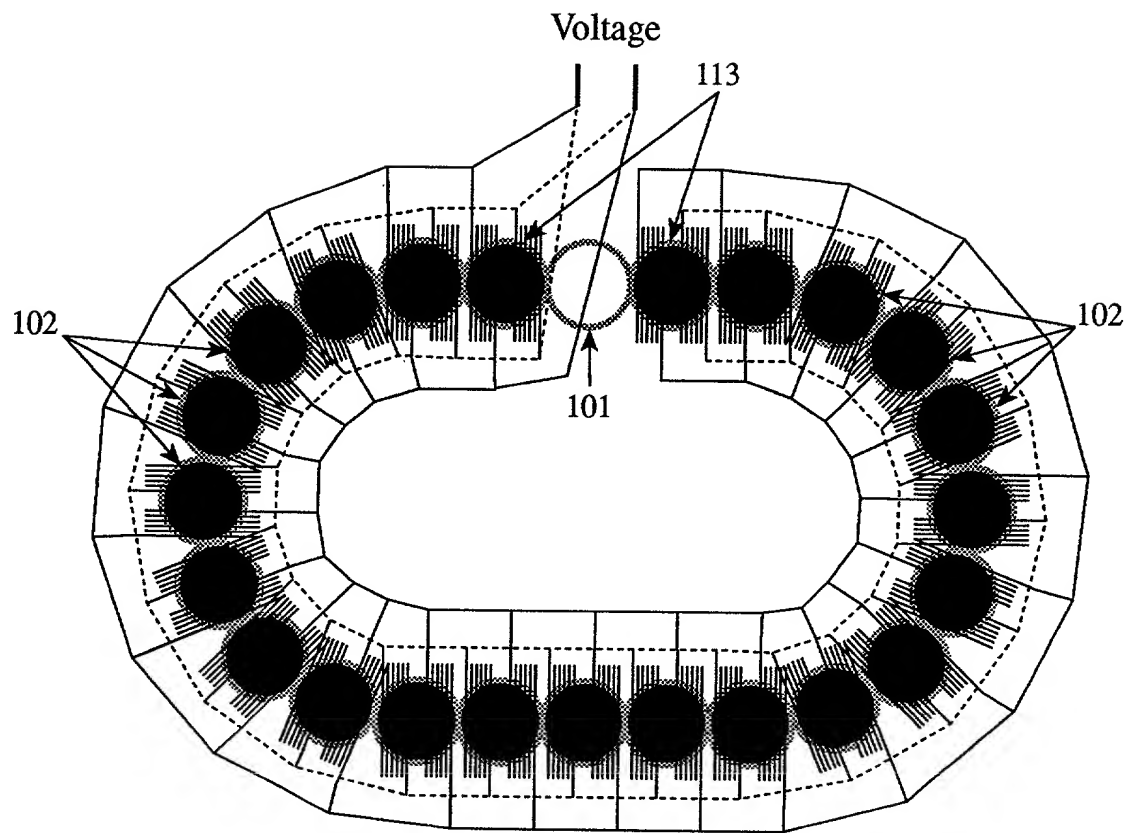
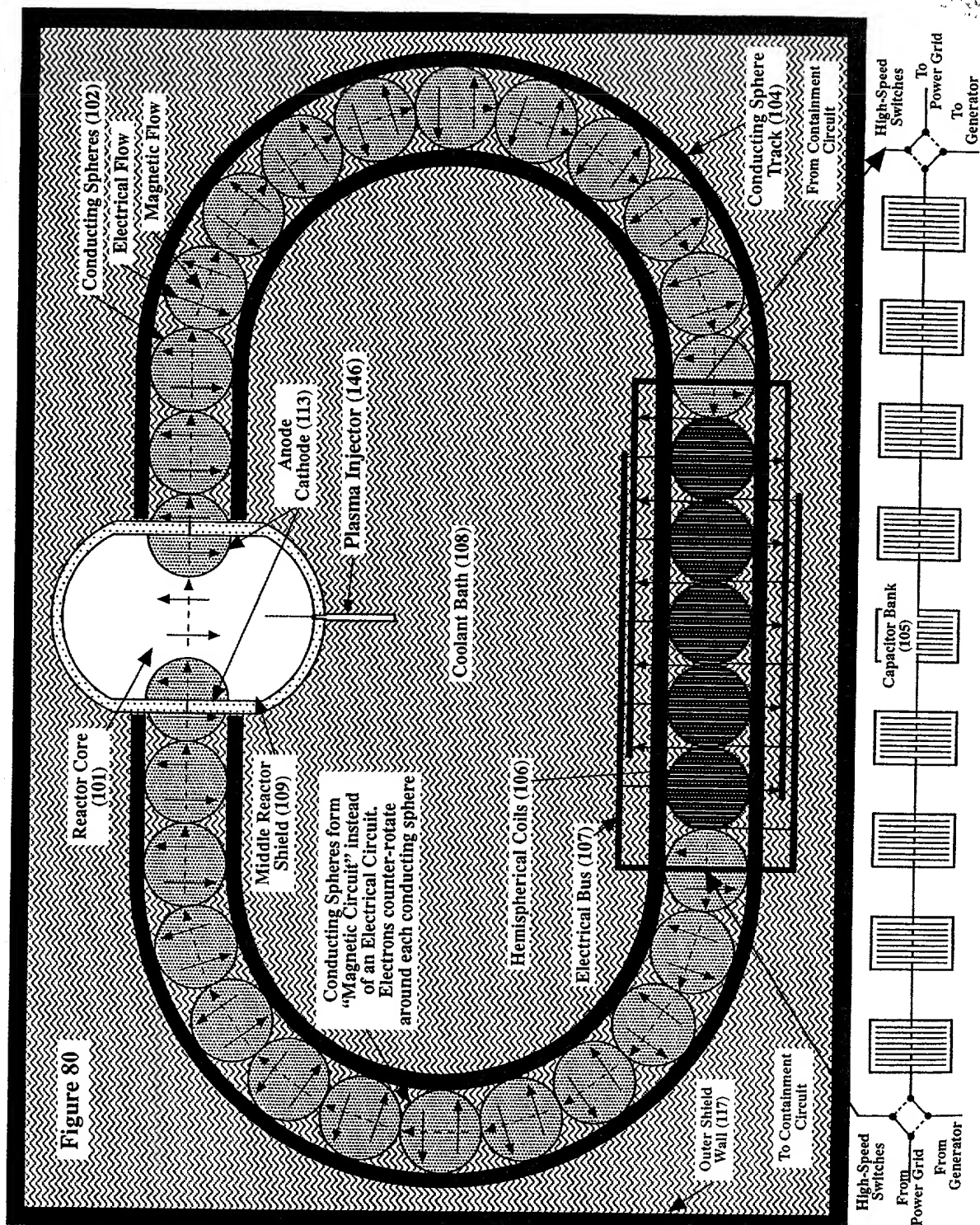


Figure 79



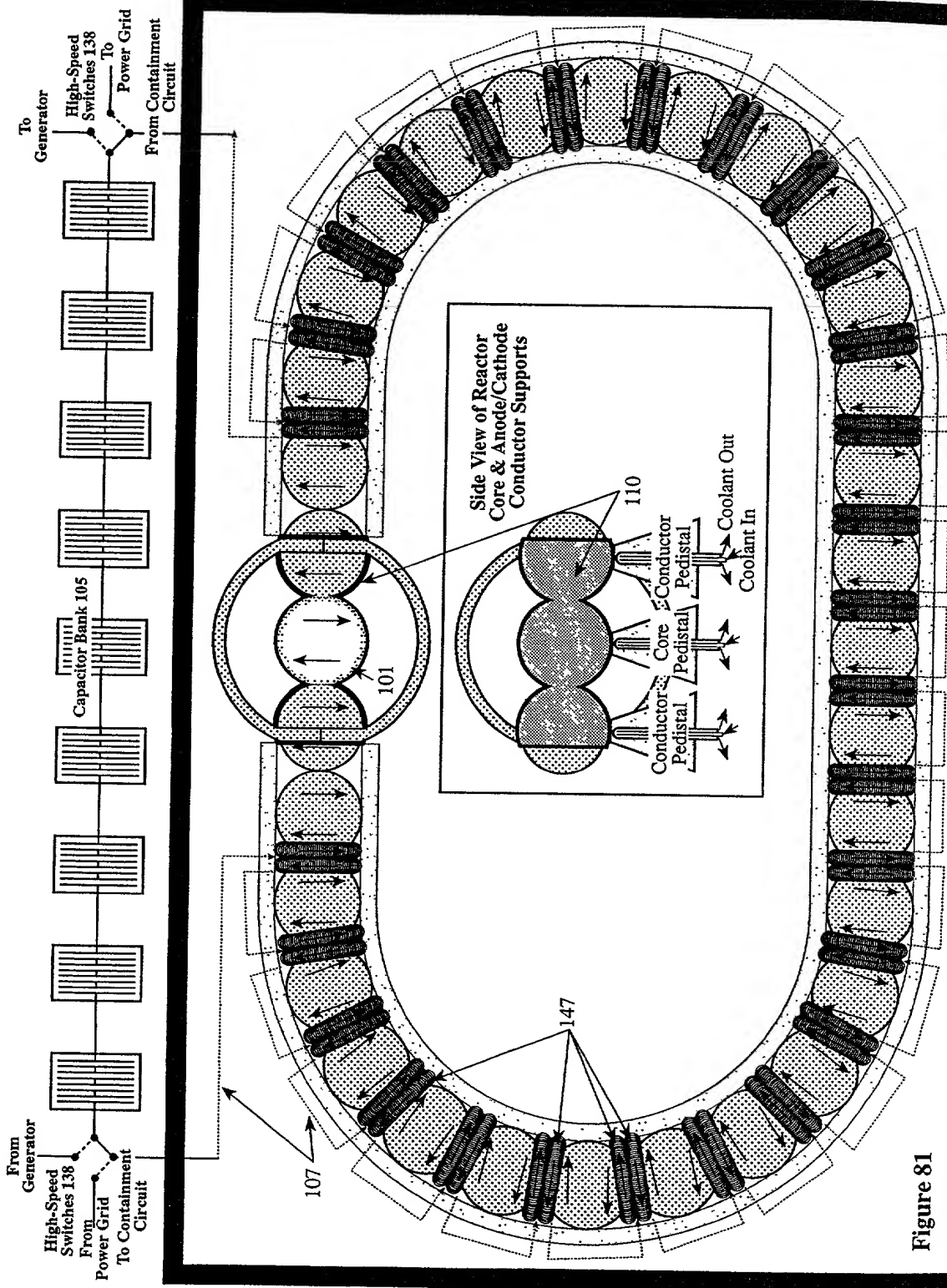


Figure 81

Figure 82

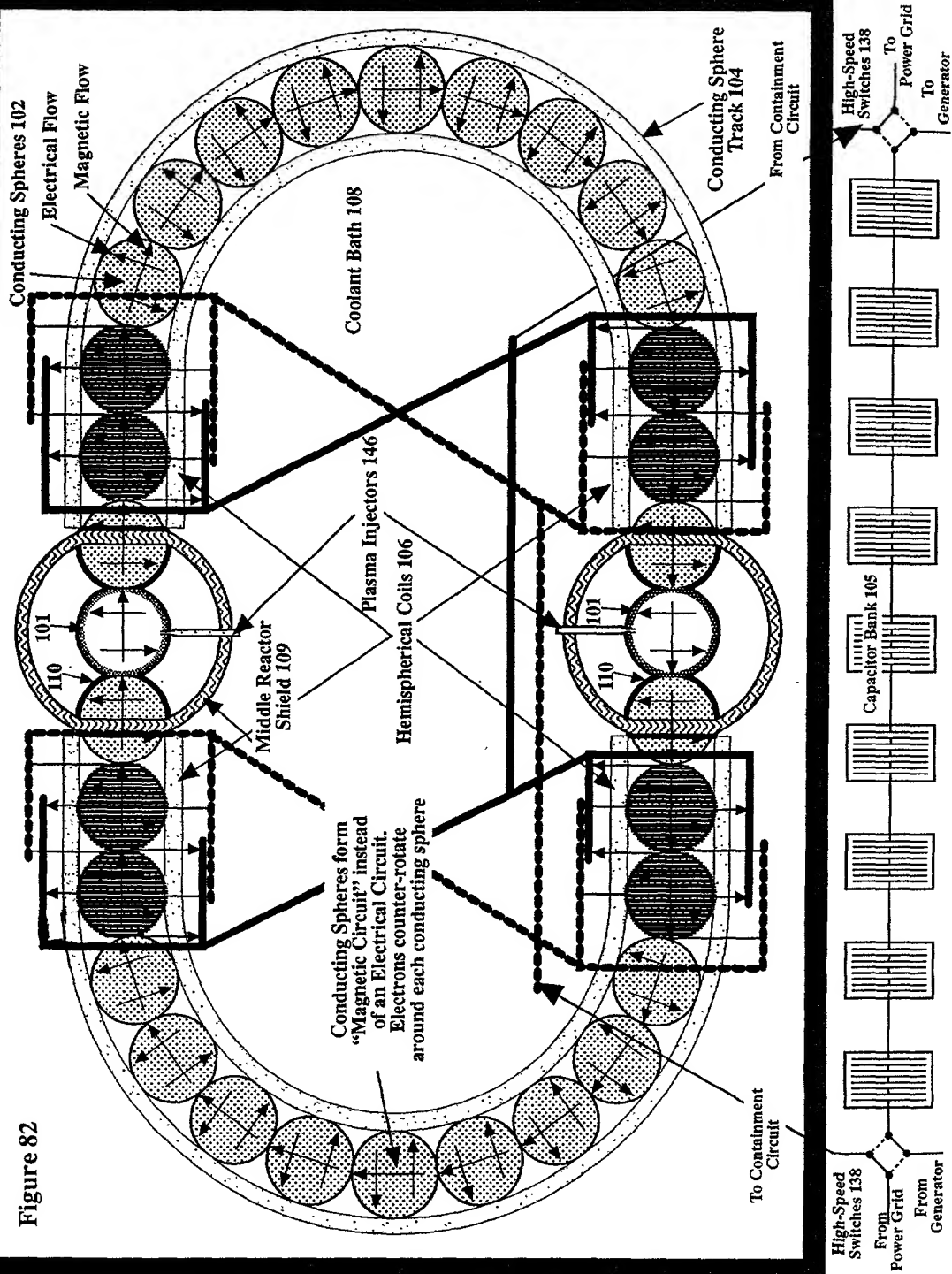


Figure 83

